

A Complete Bibliography of Publications in the *Journal of the Society for Industrial and Applied Mathematics. Series A, On control* and *SIAM Journal on Control*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

23 August 2019
Version 2.03

Title word cross-reference 10 [Luk73].

62 [Vin73].

9 [CLS73].

$(1 \leq p \leq \infty)$ [WD69]. (Q) [CS74]. $2 \times n$ [SD71]. $GL(n, R)$ [Sus72]. H^2 [BB75]. l [DP72]. L^p [WD69]. L_2 [Fre68]. L_p [tC68]. min sup [DM69]. N [Ben74, KD66, SRP69, SP71a, Sca74b, Var70, Paz67]. $n \times n$ [Paz67]. σ [RT73]. τ [LH69]. ε [Roo75a]. $W_2^{(1)}$ [BJL75].

-Capture [DP72]. **-decomposition** [LH69]. **-dimensional** [Paz67]. **-Functions** [BB75]. **-Person** [SP71a, Sca74b, SRP69, Var70]. **-Representations** [Roo75a]. **-stability** [tC68, Fre68]. **-stage** [KD66].

Abelian [FFZ69]. **Abstract** [Ber74, Jur70, MP71b, Dan73, Neu66, Neu67]. **Accelerated** [Mey74]. **Accuracy** [BJ71]. **Achieve** [Sus75]. **adaptive** [KP73]. **Addendum** [Bha66]. **Additive** [Glo69]. **Admissible** [Mir69]. **Aerodynamics** [Mie65]. **Affine** [Cur75b, DM72b]. **Algebraic** [AM68, Mol73a, Mol73b]. **Algorithm** [Bar72a, CC68, CM70b, KP72, Lin74a, McG65, Mer64, Pau75, PH75, Sch73, CE66].

Algorithms

[EZ71, Kle74, MP71b, Mey74, TV67].

Allocations [WS74b]. **Almost** [AJ71].**Amplitude** [SR64]. **Amplitudes** [SL70].**Analysis** [Doo64, Hol68, Mic74, Pap73, SG63, Kir67, LH69, NC68, Sze62]. **Analytic** [CL75, Cul64, Jur72]. **Analyticity** [FFA69].**Antizigzagging** [Kle74]. **Aperiodic** [JP64].**Appearing** [HH63, Lo75]. **Application**[Bai65, Kai69, Rob75, SP71b, TAG70, CE66, NY68, Rus69b]. **Applications**[BVW75b, Cur75b, For75, Kir67, Kus64, Pet72, Won71, Won64, Gam65, Neu66, Neu67, Onu71, Por68, Neu67]. **Applied**[Smi64]. **Approach** [Bal72a, Bal72b, Kel64, Pap73, WM70, DIR73, Hay66].**approximate** [Bri67, Bri68].**approximating** [SS71]. **Approximation**

[Bal74, Bal75, Ste73, de 68, Jac69a].

Approximations[BJ71, BBS69, Cul72, Cul69]. **Arbitrary**[Gur64, MF71]. **Arc** [McC75]. **arising**[Ben66]. **Ascending** [EH64]. **Aspects**[Lei65]. **Assignment**[MF71, MW70, WM70]. **associated** [Zak67].**Asymptotes** [Kra64a]. **Asymptotic**

[BD68, BB64, Buc66, San75, Ste72, Zlo70].

attainable [Her67, Her68]. **Augmented**[Roc74]. **Automata**[Arb65, GS66, de 68, CS70]. **Autonomes**[Fau72]. **Autonomous**

[Bra72, Chu74, Dat74].

Backward [Lin74b]. **Balakrishnan**[JM70, Vin74]. **ballistics** [Has68]. **Banach**[Bal65, Dat70, Gui69, KR66, Mey70a, Tri75, Vin74, Zlo70]. **Band** [Bal74, Bal75].**Band-Limited** [Bal74, Bal75]. **Bang**

[Hal64, Kre74, SV64, Sus72, Aro73, Fat68b].

bang-bang [Aro73]. **based** [Ben70]. **Bases**[For75]. **beam** [Kom68]. **Behavior** [Ste72].**Bellman** [Gir69]. **Best** [Rom69]. **Between**[Gir69, Pea66b]. **Bilinear**[DIR74, Kre75, RM68]. **Bilinearization**[Lo75]. **binary** [Paz67]. **Bolza**[Bar75a, Bar75b, Goh66b, Roc72]. **Bound**[CC68, PD70]. **Boundary**

[Cir69, Fat68a, Fat75, Fly73, GR75, Mer64, Rus71a, Rus71b, Wan75, PP73, Rus73].

Bounded [Gui65a, MN72, Pen72, Rus64, SL70, Tri75, VL66, For67, Had73].**bounded-impulse** [For67].**Bounded-input** [VL66, Had73].**bounded-output** [Had73, VL66].**Boundedness** [AJ71, Zak67]. **Bounds**[BJ71, Rob75, Wit70]. **Broad**

[Vid72, Neu66, Neu67].

Calculus [War65a]. **Canonical**[Aka75, DIR73]. **capable** [Ris66]. **Capture**[DP72]. **Cas** [Ben74]. **Case**[Cul64, DP72, Fly74a]. **Cauchy** [AT75].**Causal** [Dol73, FF69]. **Causality**

[De 74, FFA69, Wil69, Wit71, DeS73].

Certain [AY70, Bar72b, Ces75, Gir69,

Jur72, MN72, Mis65, Ole74, Sus72, Aro73, Bru68, Ego66, Fil62, Kul66, Kul67].

Certaines [Fau72]. **chain** [Kul66, Kul67].**Chains** [MS75]. **characteristics**[Fre68, Joh73, RT73]. **Characterization**[Aub70, BJL75, Ole74, WE75]. **Chow**[Kre74]. **Circle** [Coo75]. **Class**

[Bar71, Cul64, Mer64, Mur74, SP71a, Vid72, BD68, Bal63, Ben70, Ber67, CE66, HK66,

NN66, NY68, Neu66, Neu67, SRP69, Sno64].

Classes [Roo75a, de 68, LL66]. **Classical**[Fil67]. **classification** [CP66]. **Closed**[Bru74, Kre69, Cul66a]. **Closed-Loop**[Bru74]. **Closest** [MDM74]. **Closure**

[Ber74, Ces71, Ole74, Bru68, Her67, Her68].

Coefficients [San64, Leh67]. **coinciding**[HO73]. **Combined** [Ber75]. **Comments**[NW70, Wei77, Vin73]. **Common** [Arb65].**Compact** [Lob74, FFZ69]. **Comparison**[Rao72]. **Compensation** [MW70].**Complete** [Chu65, Fat66, Tro71, Sle74].**Completely** [RM68]. **Complex**[ABI71, Leh67]. **Components** [BT64].

Comportement [Fau72]. **Computational** [CL75, Bar69]. **Computing** [AS65, Bal68, HB63, Gil66]. **Concept** [IS75, Hac73]. **concerning** [Ris66]. **Condition** [Lee63, WS74b, Bru68, Hac73, Jac69b]. **Conditional** [Kus64]. **Conditions** [ABI71, AT75, Aub70, Bar71, BC72, Ces74, Dav72b, FG70, GK72, Geh74, Jac70, JM70, Kus65b, Kus72, MT72, MP71a, MP69, MN72, Ros64, Rus75, SP71a, Sko74, Vir70, WW69, Wan75, Zol72, Ban68, Ber67, Bol66, DV73, DK70, Ego67, Goh66a, Gui69, Hau73b, How73, Man66, Moy73, Ris70, SRP69, Sto73, Sur73, ZF68, Zlo70]. **Conflict** [Gin67a]. **Conjugate** [Haa75, KP72]. **Connected** [Mis65]. **Connections** [ADT75]. **considerations** [Mae73]. **Considered** [Gui65b]. **Consistency** [NS75]. **constant** [Leh67]. **Constrained** [Ber75, Bra74, CCP66, Cul72, Dan71, Kle74, WS74a]. **Constraint** [Fly73, Cul66a, Hau73b]. **Constraints** [Aub70, Bis74, Blu65, CH75, FG70, Geh74, HB63, JM70, MN74, McG65, Nor71, Roc72, Rub72, Rus75, Sas74, Sca74b, Sch75b, Sch75c, TV75, Vir70, Mor66, PP73, Vac66, Wah73]. **Construction** [ABL75, For67, LwL67, RT73, Fre68]. **Consumption** [Pel72]. **Contain** [Ris65]. **Containing** [Sch65]. **Continuity** [Rus69b]. **Continuous** [Chi69, Cul72, Hal74, Kak72, Kus72, Lin74b, Mau75, Pli75, ARS67, Cul69, Gri67, Mil68, Ris70, Wah73]. **Continuous-Time** [Lin74b]. **Contrôlabilité** [Lob70, Lob76]. **contraction** [OJ68]. **Control** [AT74, Arb65, Arm74, Art75, Bal65, Bal68, Bal72b, BK72, Bar75a, Bar75b, Bar71, Bar72a, Bar72b, Bar73, Bau72, BB64, Ben71, BV75, Ber74, Bic68, Bis74, BSB63, BT64, Bru74, Buc66, BBS69, Ces65a, CLS73, CS74, Chi69, Chu74, Chu75, Cul66b, Cul72, Cul64, Dat73, Dau71, DM72b, Dem68, Dre64, DV71, DV75, Fat64, Fat68a, Fat75, Fle68, Fle71, FG70, Gal69, GK74, Gin67a, Gin67b, Gol65a, GSG67, GR75, Háj71, Har64, Hau71, HH63, Her72, Hes65, HB63, Hol74, Hol75, Hua72, Jac70, JK73, JP64, Jur70, Jur72, Kel64, Kom70, Kre69, Kre73, Kre74, Kus65b, KB70, LaS62, LwL67, Lee63, LCB72, Lin73, Lo75, LW75, Luk71, Luk72a, Luk73, MN74, Mal69, Mau75, McG65, Mey70a, MN72, Mir69, MH68, MS75, Neu62, Nis67]. **Control** [Nor67, Ogu63a, Ogu63b, Ogu64, Oka64, Pea66b, Pon68, Por66, Psh66, Ris65, Roc72, Roo69, Rox65, Rus64, Rus71a, Rus71b, Sas72, SR64, Sch65, Sch75c, SL70, SV64, Sus72, Swo64, SG63, TAG70, Wan75, War70a, War70b, Wit68, Won68a, Won68b, Zab74, Zab75, Zmo74, Bal63, Ban68, Ben66, Ber67, Bru68, BEL68, CE66, Ces71, CP66, Cul66a, Cul69, Dan73, Dan66, Dau73, Dav73, Fat68b, Fil62, Gam65, Gil63, Goh66a, Hau73a, HO73, Hay66, Hol68, Jac67b, Jac69b, Joh73, Kir63, KP73, Kom68, Kus67b, Kus68, Man66, MB73, Moy73, NY68, NW70, Nor68, PP73, Por68, Ris70, Ros66, RFL69, Rub66, Rus69b, Rus73, SS71, Sch67, Sle74, Sto73, Sze62, Vac66, VW66, Vin69a, Vin69b, Vin69c, Vin70, Vin73, Won67, Won69]. **Control-Phase** [MN74]. **Controllability** [Bra72, Che70, Chu65, Chu75, Cir69, Con67, DM72a, DM72b, Fat66, Gil63, HH70, Her64, Her74, Jur70, Jur72, LS75, Lob70, Lob74, Lob76, Luk72b, Luk74, Mar65, MF71, Mor71, Sak74, SY71, Sch75b, SM67, SA68, Sus75, Tri75, Tro71, Tsu70, WE75, Wei67, Wei72, Yor72, Zmo74, Aro73, DK70, FJ68, For67, Luk73, Sap73, Sle74]. **Controllable** [Pop72, RM68]. **Controlled** [BJL75, Pli73]. **Controllers** [Bra72]. **Controls** [AKR67, Bau72, Bri63, Bri64, CLS71, Hal68b, Kus65a, Lef65, McS67, SR64, Sch72, War65b, War67a, War67b, War74, Zol72, AD66, Bri67, Bri68, Ces68, CLS73, DS71, For67, Gam63, Gri67, Hal71, LL66, Rus66, SY71, Sap73, Sno64]. **Convergence** [AY70, Art75, CC68, Dan71,

Kle74, SS71, TV67]. **Convergent** [Bar72a]. **Converse** [Kus67a]. **Converses** [Gor72a]. **Convex** [Abr75, Bar75a, Gol65a, GT73, Man65, PN70, Rob75, Roc72, DR67, Gil66]. **Convexity** [CS74, Ces74, Ces75, Yor71, Bru68, Her67, Her68, HH66]. **Convolution** [DC72]. **Coordinate** [MN72, Rus64]. **Coordinates** [Gui65a, Hua72, Sca74a, Paz67]. **Coprime** [Vid75]. **Correction** [KH69, Wei77]. **correctness** [Kir63]. **correlated** [PD70]. **Coset** [Bro72]. **Cost** [Chy67, Dat73, Dat74, DMM75, KB70, TV75, BM73]. **Costly** [Rus69a]. **Costs** [Luk71, Luk72a]. **Countable** [Kak72]. **Counterexample** [Wit68]. **covariance** [PD70]. **Coverability** [WS74b]. **Criteria** [Ack75, Coo75, Dav72a, Haa75, Kra64b, Man63, Nol75, Sko74, Ven71, FZ68, Rus73]. **Criterion** [And67, Lel70, LR69, Zak69, Had73]. **Curvature** [CH75, Rub72]. **Curves** [Rub75, War65a, Gam63]. **Cutting** [EZ71]. **Cycles** [Fau72].

Dans [Ben74]. **Data** [AS65, ABL75, Hal74, Pap73]. **Davidon** [TAG70]. **Decision** [Kak72, Pli75, Ben70, CS70, Mil68]. **Decomposition** [MA74, Pea66a, Var66, DIR73, DeS73, LH69, MA74]. **Decoupling** [FW74, MW70, SP71b, WM70, Gil69]. **deducing** [Bal67]. **Defined** [MF71, War70b]. **definite** [CS70]. **Degree** [LW75]. **Delay** [Hal68a, Ogu63a, Wei67, Zmo74, DS71]. **Delay-Differential** [Wei67, DS71]. **Delays** [CL66, Wan75]. **Densities** [Kus64]. **Dependent** [Hau71, Ros64, Hau73a, Won67]. **Depending** [BT75]. **derivation** [Kul66, Kul67]. **Derived** [Dav72b]. **Descent** [Gol65b, Bal63, BM73, Vac66]. **Described** [Gal69, Ogu63b, Hal66, NW70, Vin69a, Vin69b, Vin69c, Vin70, Vin73]. **Describing** [BF71, Dol73]. **Description** [Kal63, Pop72]. **Design** [Hof75]. **Detectability** [Hew75]. **detection** [Par62]. **Deterministic** [IMK75, MS75]. **Difference** [BBS69, Gor72a, Gor72b, Ogu63b, Hal66, RFL69]. **Different** [Pap73]. **Differentiability** [Hal74, MT72]. **Differential** [AT75, Ban69, BK72, Bha64, Cas69, Cur75b, DM72b, DMM75, EKM73, Fat64, GK74, Hal68a, Kus64, KB70, Kwa75, Man63, Mil72, Mir69, Mis65, Mis74, Nol75, Ogu63b, PR75, Pau75, Pon65, Pon74, Rao72, Ris71a, Ros64, Sak74, Sak75, San64, SP71a, Sca74a, Sca74b, Sch65, SH71, Ste72, Ste73, Ste74, SG63, Var67, VL69, Wei67, Won64, BJ70, Ber67, Bha66, CM70a, DS71, Fil67, Gam65, NN66, Onu71, RFL69, Rus69b, SRP69, Sur73, Sze62, VL66, Var70, Wei68, Zak67]. **differential-difference** [RFL69]. **Différentielles** [Fau72]. **Differentiels** [Ben74]. **Diffusion** [GSG67, Kus67b]. **Diffusions** [AT74, Fle68, Pli73]. **Dimensional** [BB75, Bau72, Cul72, Cur75a, Cur75b, DM72a, Rus71a, Rus71b, SB74, CCP66, Fat68b, Paz67, Rus66, ARS67]. **Dimensions** [WE75, Hay66, Her67, Her68]. **direct** [Leh67]. **direction** [TV67]. **Directions** [Mey73, Sus75]. **discontinuous** [Mae73]. **discounted** [Kus67b]. **Discrete** [Cul69, Dav72b, JP64, LCB72, Lin74a, MS71, MF71, Swo64, Wei72, Zab74, Zab75, Con67, HH66, Med67, NC68]. **Discrete-Time** [JP64, LCB72, Lin74a, Wei72, Zab74, Zab75]. **Discretional** [HH66]. **Discretization** [Dan71]. **Distributed** [Bar71, BV75, Kus70, LCB72, LR69, Sas72, Vid75, Zab74, BEL68, Ego66, Ego67, SS71]. **distributed-parameter** [Ego67]. **Distribution** [SD71, Prè66]. **Distributions** [Fat75, Zak69]. **Distributive** [Por66]. **Disturbance** [Cul64]. **Disturbance-Free** [Cul64]. **Disturbances** [Ris75]. **Disturbed** [Luk74]. **d'Optimisation** [Lor73a].

d'optimization [Lor73b]. **Doubly** [Bre65]. **Drivable** [Mey73]. **driving** [PD70]. **Dual** [Bar72b, Bar73, Ber75, Vin74, PP73]. **Duality** [MH68, Pal66, Pea66b, Pea66a, Roc74]. **d'une** [MA74]. **Duoplex** [Kün66]. **Duration** [Rao72]. **Dynamic** [Bel66, DV73, Gir69, MW70, Pal66, Ris71a, Ris75, Bol66, Ris70]. **Dynamical** [DIR74, De 70, HT70, Hey72, Kal63, Luk69, Sko72, Con67, DIR73, FJ68, LH69]. **dynamics** [RFL69, Var70, Mor66].

economics [NY68]. **effects** [Wil71b]. **Efficiency** [Pel72]. **Efficient** [KP72, PH75, Bar69]. **Effort** [BT64, Neu62, Sno64]. **Elements** [Sch75a]. **Elliptic** [Zol72]. **Encirclements** [Dav72a]. **Encounter** [Mis74]. **Energy** [Cul64, Joh73]. **Equality** [Blu65, Geh74, MN74, Nor71, Sch75b, Sch75c]. **Equation** [Buc75, Buc77, Bur65, Cur75b, GR75, Hew75, KB70, Ris71a, Rus71a, Rus71b, SH71, SG63, TV75, Won68a, Kus68, Mae73, Mol73a, Mol73b, RFL69, Sze62, Won69]. **Equations** [Ban69, BK72, CL75, Dat74, Dol73, Fat64, Gal69, Gor72a, Gor72b, Hua72, Kus64, Luk74, Man63, Mil72, Mis65, Ogu63b, RBR74, Ros64, Sak74, Sak75, San64, Sch65, Tsu70, War70b, Won64, Yor72, BJ70, CM70a, Cow73, DS71, Fil67, Gam65, Hal66, NN66, NW70, Onu71, Rus69b, Str66, Sur73, Vin69a, Vin69b, Vin69c, Vin70, Vin73, Zak67, Fau72]. **Equilibrium** [Luk71, Luk72a, PR75, Pau75]. **Equivalence** [CP66, HT70, Kre73, Mol73a, LL66]. **Errata** [Bal75, Bri68, Dau73, Gar64, Her68]. **Erratum** [Buc77, CLS73, Hal71, Lob76, Luk72a, Luk73, Nor68, Vin70, Won69, Lob76]. **Error** [BJ71, Rob75, Sny75, PD70]. **espace** [MA74]. **Estimates** [Fre72, GT73, NS75]. **Estimation** [Bal72a, IMK75, Kai72, KH69, Pea66b, Sny75, Wei77, PD70]. **Estimators** [AS65]. **Euclidean** [Zmo74]. **Evading** [Mis74]. **Evasion** [EF75, GK74, Ho66, Por67, Sak70]. **Even** [Mau75]. **Evolution** [Tsu70]. **Exact** [Wol72]. **exactness** [How73]. **Example** [Bis74, Mau75, CM70a, Ris66]. **Exceptional** [CLS71, CLS73]. **Exhaustive** [LL66]. **Existence** [AT74, Bau72, Ben70, Ben71, Ber74, Bri63, Bri64, Ces65b, Ces65a, Ces68, CLS71, Ces74, EG74, Fau72, Has68, Hau74, Kus65a, Mey65, MS75, Nis67, PR75, Var67, VL69, WS74a, Zak69, AD66, CLS73, Cow73, Dav73, Gam63, Gri67, Jac67b]. **expansion** [Paz67]. **Expansions** [San75]. **Expected** [Pli75]. **Exponential** [Bha64, Mur74, Bha66]. **Expressions** [Sny75]. **Extended** [Ris65]. **Extension** [Arm74, Hay66, Kul67]. **Extensions** [Hac73, Jac67a, Kro68]. **exterior** [Has68]. **Extraction** [Par62]. **Extremal** [AKR67, Mie65, Rub75, Gam65]. **Extremals** [Haa75, KO75, Goh66a].

Factorizations [Vid75]. **Family** [Mey70b, Wah73]. **Feasible** [Mey73, TV67]. **Feedback** [Bri63, Bri64, Dav72b, DM72b, DC72, FG71, IMK75, Kra64b, Lin73, Luk71, Luk72a, Sko72, Sko74, SB74, Vid75, Wit71, Wol72, BD68, tC68, Gil69, WD69]. **Fibonacci** [Kro68]. **Field** [Gur64]. **Fields** [LS75, MF71]. **Filippov** [Jac67a]. **Filter** [Rom69, Smi64]. **Filtering** [Cur75a, Kus70, Lin74a, Lin74b, Won64]. **final** [PP73]. **Finding** [MDM74]. **Finite** [ABL75, Chu75, Cul72, GS66, Glo69, Har64, Mil68, CCP66, Her67, Her68, Paz67, Rus66]. **Finite-Dimensional** [Cul72, CCP66]. **Finite-Turn** [GS66]. **first** [Joh73]. **Fixed** [Mey70a, Rao72, Gil67, Rub66]. **fixed-point** [Gil67, Rub66]. **fonction** [MA74]. **Fonctionnelles** [Ben74]. **Form** [PN70, Gil66]. **formulation** [Bal63, Kir63]. **Fourth** [SH71]. **Framework** [Arb65].

Frank [CC68, Mey74]. **Fredholm** [Dav72a]. **Free** [Cul64]. **Freedom** [LW75]. **French** [Lob70, Lor73b, MA74, Lob76]. **Frequency** [Lel70]. **Fritz** [Geh74]. **Fuel** [Neu65, Gri67]. **Function** [Bal72b, BK72, BF71, Dan71, EG74, FG71, Fre72, Mey65, Por67, How73, MA74]. **Functional** [Ban69, BK72, Dat74, KB70, Mol75, Nol75, War70a, BJ70, DR67, Kir67, Wah73]. **Functional-Differential** [KB70]. **Functionals** [Blu65, Chy67, DR68, Gol66, SB74, WS74a, Wie72, BM73]. **Functions** [Art75, BB75, Bel62, Doo64, Gir69, Hal74, Man65, Mur74, Ole74, Pon68, Roc74, Rus64, War67a, War67b, Wil71a, Jac67a, Jac69a, Kus67a]. **Further** [Bla66, Kro68, Vin73].

gains [FZ68]. **Galerkin** [Dan73, MB73]. **Game** [GK74, SD71, Var67]. **Games** [Cas69, DP72, EKM73, EF75, Hal68a, Luk71, Luk72a, Mir69, Mis74, PR75, Pau75, Pet72, Pon65, Pon74, Por67, Rao72, Sak70, SP71a, Sca74a, Sca74b, Ste72, Ste73, Ste74, VL69, Ber67, SRP69, Var70, Wil71b]. **Gaussian** [Hol75, IT75, Roo69]. **General** [Cha66, Fly74a, Kle74, Neu65, Neu66]. **Generalization** [Hal64, JM70, Kre74, Vin74]. **Generalized** [Bur65, EZ71, EF75, FF69, Gam63, Gui69, IT75, KH69, McG65, Nor71, Rub75, Wei77, AM68, Bar69]. **generating** [Paz67]. **Generation** [Wil71a]. **Generic** [FW74]. **Geometric** [Háj71, WM70]. **Geometrical** [Lei65]. **Geometrically** [Bar72a, Bra74]. **Geometry** [Her72, Bla66]. **Global** [Aro73, Her74, Lo75, Luk72b, Luk73, Luk74, Sap73, Ven71, DK70]. **Goddard** [Gar63, Gar64]. **governed** [Kus68]. **Gradient** [KP72, MT72, KP73]. **Gravitational** [Gur64]. **Green** [Hay66]. **Group** [Bro72, Glo69]. **groups** [FFZ69]. **Guidance** [Bre65, Smi64].

hand [Fil67]. **Hereditary** [BJL75, Cur75b, DM72b, DMM75]. **Hestenes** [Gui65a, Gui65b]. **High** [BJ71, GK72]. **Higher** [Rus71a, Rus71b, Hay66]. **Higher-Dimensional** [Rus71a, Rus71b]. **Hilbert** [Ack75, Bar75a, Bar75b, Co075, De 74, Dol74, DZ75, FFZ69, Par62, Sle74, TAG70, Tsu70, Zab75, Zem74]. **Hold** [Aub70]. **horizon** [Mil68]. **Hyperbolic** [Cir69, Joh73, Rus66, Rus73, Sch67, Sur73]. **Hypotheses** [Gui65b].

Identification [AY70, NS75, Ris71b, Roo75a, Roo75b, Bel66, OJ68]. **Identified** [CR68]. **identity** [Kai69]. **II** [BVW75b, DZ75, DV75, Lor73b, Neu67, OK75, Roo75b, Rus71b, Vin69b]. **II**. [Bri64]. **III** [Vin69c]. **Implementations** [KP72]. **Implicit** [Hal74, Jac67a]. **improved** [RT73]. **impulse** [For67]. **impulsive** [Ris66]. **Inaccessible** [Roo69]. **Incompletely** [CR68]. **independent** [Sch67]. **Index** [MS73, AD66, Sak66]. **Index-Invariant** [MS73]. **Induced** [ADT75]. **inequalities** [HK66]. **Inequality** [HB63, JM70, MN74, McG65, Rus75, Vac66, Wah73]. **Infima** [Abr75]. **Infinite** [BB75, Cur75a, Cur75b, DM72a, DMM75, SB74, Fat68b, Her67, Her68]. **Infinite-Dimensional** [BB75, Cur75a, DM72a, SB74, Fat68b]. **Infinite-Time** [DMM75]. **Information** [Wit71, Ben70, Kul66, Kul67]. **information-theoretic** [Kul66, Kul67]. **Initial** [JM70, PP73]. **Innovation** [Lin74b]. **Innovations** [Kai72]. **Input** [ABL75, Kre75, SP71b, Vid72, Wil71a, Bal67, Had73, VL66]. **Input-Output** [ABL75, Kre75, SP71b, Vid72, Wil71a, Bal67]. **inputs** [Kus68]. **Instability** [Bic68, Nol75, Sko74, SB74, Wil69]. **Integer** [Glo69]. **Integrable** [Ole74]. **Integral** [Hua72, RBR74, War70b, Cow73, Mae73,

NW70, Vin69a, Vin69b, Vin69c, Vin70, Vin73]. **Integrals** [Bal74, Bal75, Ces75, Jac69a, Str66]. **integrand** [AD66]. **Intensities** [Fle71]. **Interaction** [Sch75a]. **Interconnected** [Bai65, Mic74]. **Interior** [Sas74]. **Internal** [WP74]. **Interplanetary** [Bre65]. **Introduction** [McM62]. **Invariance** [Onu71, Pen72, Ego66]. **Invariant** [FJ68, MS73, Pop72, SG63, Vid72, Sze62]. **Invariants** [WE75, Mor73]. **Inverse** [JK73]. **Invertibility** [De 74, Wil69]. **investigation** [Bla66]. **Involving** [Ban69, Wan75, Cow73, Goh66a]. **Irrational** [FG71]. **Iterative** [Mer64, PN70, Ros66, FY67, Gil66, HK66]. **Ito** [Bal74, Bal75, RBR74]. **IV** [Pel72]. **Izv** [Vin73].

J [CLS73, Luk73]. **J.** [Gil67]. **Jeux** [Ben74]. **John** [Geh74]. **Joining** [MP71a]. **Joint** [Gin67b]. **Jump** [BVW75a, BVW75b, Ris75, Sto73]. **Junction** [Mau75]. **Justification** [BF71, Bol66].

Kantorovich [GT73]. **Keep** [AS65]. **kernel** [Par62]. **Kronecker** [WE75]. **Krotov** [Gir69]. **Kuhn** [Gui69, Sch73, Zlo70].

Lag [Hal68b, Kra64a, Kra64b, Hal71]. **Lagrange** [CLS73, Ces65b, CLS71, Fal69, Nor71, Roc74]. **Lagrangian** [Nor67, Nor68]. **Lagrangians** [Man75]. **lags** [Ban68]. **Laguerre** [Doo64]. **Large** [Sch75a, Var66, BD68]. **Large-Scale** [Var66]. **LaSalle** [Hal64]. **Laws** [Ben71, Ris65]. **learning** [KD66]. **Least** [AS65, Kai72, NS75]. **Least-Squares** [NS75]. **lemma** [Jac67a]. **Liapunov** [Bur66, Kus67a, Lef65, Leh67, Yor71]. **Lie** [HH70]. **Lienard** [Bur65]. **Life** [DP72]. **Life-Line** [DP72]. **Like** [Ste74]. **limit** [Kul66, Kul67]. **Limited** [Bal74, Bal75, SR64]. **Line** [DP72]. **linéaires** [Ben74, Lob70, Lob76, Fau72]. **Linear** [AM69, Bab64, Bal72a, BJL75, BV75, Bha64, Bic68, Bra72, CR68, Chu74, CL66, Dan66, Dau71, DMM75, Doo64, EKM73, For75, Geh74, Gin67a, Gol66, GSG67, Hau74, HT70, Hey72, IMK72, IMK75, JK73, Kal63, KB70, Kus70, Kwa75, Lin73, Luk71, Luk72a, MN72, MF71, Nor71, NS75, O'M72, OK75, Pon74, Pop72, Psh66, Ris71b, Rob75, Roo69, Sak70, San75, Sca74b, SP71b, Smi64, SW75, SV64, TV75, Ven71, Vid72, WM70, WP74, Bal67, BJ70, Bha66, tC68, Con67, DIR73, Dau73, Fat68b, FJ68, Hau73a, HO73, HK66, Jac67b, Joh73, Kai69, Kus68, Med67, Mor73, Prè66, Rus66, Rus73, Sak66, SY71, Sap73, SS71, SM67, SA68, Sle74, Var70, Wah73, Wei68, Wil71b, Won67, Won73]. **Linear-Quadratic** [Sca74b]. **Linearization** [Kre73, Hol68, RM73]. **Linearly** [HH63, Lo75]. **Lion** [Fly73, Fly74a]. **Local** [Her74, DK70, Lor73b]. **Locales** [Lor73a, Lor73b]. **locally** [FFZ69]. **Locus** [Kra64a]. **Logarithmic** [FZ68]. **Loop** [Bru74, Hol74, Hol75, Kre69, Ste73, BD68]. **Lower** [Bau72, Ber74, RM73, Bru68, Ces71]. **Lower-Dimensional** [Bau72]. **Lucien** [Ano74]. **Lur'e** [Mey65]. **Lyapunov** [Bai65, Bel62, Kno75, Mey65, SB74, Wil71a, Zak69].

Man [Fly73, Fly74a]. **Maneuver** [Ho66]. **Manifolds** [Bro72, Lob74]. **Many** [Cas69]. **mapping** [OJ68]. **Mappings** [Dat70, RM73]. **Maps** [Kre75]. **Markov** [Kul66, Kul67, Kus64, Mil68, MS75, Pli75, Ris75, Sto73]. **Markovian** [Aka75, Chi69, Kak72]. **Martingale** [Bal72a]. **Martingales** [BVW75a, BVW75b, Won71]. **Matching** [Wol72]. **Matematika** [Vin73]. **Mathematical** [Kal63, MS71, Oka64, Sch67, Dan66, Gui69, Zlo70]. **Matrices** [And67, WE75, AM68, Paz67]. **Matrix** [ADT75, Hew75, Won68a, PD70, Won69].

Max [Fly74b, CM70a]. **Max-Min** [Fly74b, CM70a]. **Maximum** [IS75, Pli75, Wie72, Yor72, Cul66a, Hal66, HH66, KR66]. **maximum-problems** [KR66]. **Mayer** [Ces68]. **Means** [Doo64, LS75, Lin74b]. **Measurability** [Dat70, KO75]. **measure** [DS71]. **measurement** [Wil71b]. **Measures** [Kno75, Ris65, Sch65]. **Mechanics** [Sch75a, Mor66]. **Memoriam** [Ano74]. **Method** [AS65, Bai65, BF71, JM70, Kai72, Kün66, MT72, McC75, Mey73, Oka64, Sas72, Sas74, TAG70, Bal63, BM73, Bol66, Dan73, Gil67, GR69, Joh73, KP73, LH69, Leh67, PP73, Rub66]. **Méthodes** [Lor73a, Lor73b, MA74]. **Methods** [Ber75, Mey70b, Lor73b, MA74]. **Mild** [MT72]. **Min** [Fly74b, CM70a]. **Minima** [War67b]. **Minimal** [ABL75, Cul64, For75, PD70]. **Minimal-Energy** [Cul64]. **Minimax** [Sas74, Swo64, War65a, War70b]. **minimisation** [MA74]. **Minimization** [Ber75, Blu65, CM70b, DR68, PN70, TAG70, CCP66, DR67, MA74, Por68, Wah73]. **Minimizing** [Gol66]. **Minimum** [BT64, Joh73, Neu62, Neu65, Ris75, Gil66, Moy73, Rub66, Sno64]. **Minimum-energy** [Joh73]. **Minimum-Fuel** [Neu65]. **minimum-norm** [Rub66]. **Missile** [EH64]. **Mixed** [MN74, PH75]. **Model** [Wol72]. **Modeling** [Cul64, Roo75a, Roo75b]. **Models** [MP71b]. **Modes** [Har64]. **Moment** [Neu64]. **Moments** [Hau74, Zak67]. **Monotone** [Fre72, NN66, ZF68]. **Motion** [CH75, MS75]. **multi** [Fil67]. **multi-valued** [Fil67]. **Multidimensional** [Bau72, Dol73]. **Multiperson** [Pli73]. **Multiple** [Chy67, Goh66a, Hau73b]. **Multiplicative** [Hau74]. **Multiplier** [Nor71, Pon68, Roc74, WS74a]. **Multipliers** [Fal69, Fre68, RT73]. **Multiserver** [Hof75]. **multistage** [Wil71b]. **multivalued** [Jac69a, RM73]. **Multivariable** [For75, Smi64, Vid72, Vid75, WF69, WM70, WP74, Gil63, Gil69, Mor73, Won73].

Nash [Ben74, PR75, Pau75]. **Necessary** [ABI71, AT75, Aub70, Ban68, Bar71, BC72, Ber67, Ego67, GK72, Geh74, Goh66a, Hau73b, Kus72, MP71a, MP69, Ris70, Rus75, SRP69, SP71a, Sto73, Sur73, Vir70, Zol72, Jac69b]. **Necessity** [WS74a, Bru68]. **Needed** [Sus75]. **Network** [ADT75]. **Networks** [Dol74, DZ75, Ben66]. **Neustadt** [Ano74]. **Neutral** [BK72, Dat74]. **Newton** [McG65]. **no** [Vin73]. **Noise** [Fle71, Hau71, Hau74, Hol74, Zak69, Hau73a, Kus68, PD70, Won67]. **Non** [Fau72, Roo69, Lob70, Lob76]. **Non-Gaussian** [Roo69]. **Nonautonomous** [SH71]. **Nonconvex** [BT75, Fal69, Roc74]. **Noncooperative** [SP71a, SRP69]. **nondifferentiable** [BM73]. **Nondiscounted** [Kak72]. **Nongradient** [CM70b]. **Nonlinear** [ABI71, BSB63, Che70, Chu75, Cir69, GK74, HH70, HH63, Kre69, Kre73, Kre74, Kre75, Kün66, Lob74, Luk69, Luk72b, Luk74, Man63, Man75, Mar65, McC75, Neu64, Nol75, Roi70, Ros64, Sch65, Sch75b, SB74, WW69, Won64, Yor72, Zou66, Aro73, DK70, DeS73, Had73, Hal66, Hol68, KR66, Kro68, Lob70, Lob76, Luk73, Man66, NC68, Ros66, Rus69b, TV67, VL66, WD69]. **Nonlinearities** [Fre72, ZF68]. **nonlinearity** [Mae73, NN66]. **Nonnegativity** [Jac70, Mol75]. **Nonsingular** [Jac70, MP71a]. **nonstandard** [NY68]. **Nonsymmetric** [TV75]. **nonzero** [Var70]. **Norm** [Fre72, Rub66]. **Normality** [Haa75, MN72]. **Normed** [DR68, Gol66, Nor71]. **Normed-Linear** [Gol66]. **Norms** [PH75]. **Note** [EF75, FFA69, Kai72, SP71a, Sas72, Tro71, Gil67, Sle74]. **nuclear** [NY68]. **Number** [Sus75, Leh67]. **Numbers** [Sch75a]. **Numerical** [De 70, RBR74, BM73, Zou66].

Observability

[Bra74, DM72a, DM72b, Jur70, Roí70, Sak75, Tri75, FJ68, Gil63, SM67, SA68].

Observable [AT74, Fle68, DV73]. **One** [LW75, Joh73, Mor66]. **one-sided** [Mor66].

Open [Hol74, Hol75, Ste73]. **Operational**

[Fat64]. **Operations** [ADT75]. **Operator** [CL75, Bal63, Rus69b]. **operator-valued** [Rus69b]. **Operatorial** [Vir70]. **Operators** [Dav72a, FF69, Tri75]. **Optima** [SD71].

Optimal

[AT74, Arm74, Bab64, Bal65, Bal68, Bar72a, Bar72b, Bar73, Ben71, BV75, Bis74, Bre65, Bri63, Bri64, Bru74, BBS69, BEL68, Ces65a, CS74, Cha64, Cha66, CL66, Chy67, Cul66b, Cul72, DM72b, Dem68, Dre64, Ego66, EH64, Fat64, Fle68, Gal69, Gin67a, Gin67b, Gol65a, GSG67, Gur64, Háj71, Hal68b, Hal71, Hau71, Her72, Hes65, HB63, Ho66, Hua72, JK73, JP64, Kel64, Kom70, Kre69, Kus65a, Kus67b, Lee63, Lei65, Lin74a, Lin74b, Luk69, MN74, Mal69, MP71a, Mir69, Mis65, NW70, Nis67, Nor67, Ogu63b, Ogu64, Pel72, Pon68, Por66, Psh66, Rus66, San75, SP71a, Sas72, SR64, Sch65, Sch72, Sny75, Vin69a, Vin69b, Vin69c, Vin70, Vin73, Wan75, War74, Won64, Won67, Zab75, Zol72, AD66, Ben66, Ben70].

optimal

[Ber67, Bla66, Bri67, Bri68, Ces65b, Ces68, Ces71, CP66, Cul66a, Cul69, Dan73, DS71, Dav73, Fil62, FY67, Gam63, Gam65, Gri67, Jac67b, KD66, Kir63, Kir67, KP73, Kom68, Kus68, LL66, Man66, Med67, NY68, Nor68, PP73, Por68, Ris70, Ros66, RFL69, Rus69b, SRP69, SS71, Sch67, Sno64, Sto73, VW66].

Optimal-Thrust [Gur64]. **Optimality**

[AT75, Bar71, FG70, GK72, Geh74, Kus65b, MP69, Bol66, Ego67, Hac73, Hay66, Jac69b, Bru74]. **Optimization** [Aub70, BT75, BSB63, De 70, Hal74, Kle74, Kus72, Mey70b, MP71b, Neu64, Pal66, Vir70, WS74a, WS74b, BJ70, BM73, Cow73, Hau73b, Lor73b, Neu66, Neu67, Sak66, Sur73].

Optimum

[McG65, Oka64, Roo69, Wit68, Prè66].

Order [BJ71, GK72, Mau75, MP69, Rus75, San64, SH71, Tsu70, Joh73]. **Ordinary** [Man63, Onu71]. **Origin** [MDM74].

Orthogonal [Med67]. **Oscillatory**

[Lel70, SY71]. **Output**

[ABL75, Kre75, Mor71, SP71b, Vid72, Wil71a, Bal67, Had73, VL66].

Overrelaxation [Cry71].

paper [NW70, Vin73]. **Parabolic**

[AT75, Gal69, Mis65, Sak74, Sak75, Wan75, Zol72, Kus68, MB73]. **Parallel** [CM70b].

Parallelepipedon [Fat75]. **Parameter** [BT75, Bar71, BV75, Kus70, Kus72, LCB72, Pli75, Sas72, Zab74, Ego66, Ego67, SS71].

parametric [GR69]. **Part**

[Roo75b, Rus71b]. **Partial**

[AT75, ABL75, Ris71a, Sak74, Sak75, SG63, CM70a, Sur73, Sze62]. **Partially**

[AT74, Fle68, DV73]. **Particle** [CH75].

parts [Leh67]. **Patterns** [Sko72].

Pénalisation [Lor73a, Lor73b]. **Penalty**

[Ber75, EG74, Mur74, Oka64, Rus64, Sas72, Sas74, How73, Lor73b]. **Performance** [Wie72, Wit70, AD66, Rus73, Sak66].

Periodic [Dav72b, Kwa75]. **Periodically**

[Bic68]. **Periodicity** [Hew75]. **Périodiques**

[Fau72]. **Person**

[SP71a, Sca74b, SRP69, Var70]. **Personnes**

[Ben74]. **Perturbations**

[Cul66b, Dau71, Dau73]. **Perturbed**

[Gor72b, O'M72, OK75, San75, Zak69,

DM69]. **Phase** [Fre72, Hua72, MN74, MN72, Rus64, Sca74a, Cul66a, Fre68, RT73].

Piecewise [BJ71, Gri67]. **Plane**

[CH75, EZ71]. **planning** [Mil68]. **Plans**

[Pel72]. **Plates** [Kom70]. **Player** [Cas69].

Point

[Haa75, Mer64, MDM74, Gil67, Rub66].

Points [Ben74, CLS71, EKM73, Nor67, PR75, Rub75, VL69, CLS73, KR66, Nor68].

Poisson [Rus69a]. **Polak** [KP72]. **Pole**

[MF71, MW70, WM70]. **policies** [Dav73].

Polyhedron [MDM74]. **Polynomial** [BJ71, WE75, Leh67]. **Pontryagin** [BC72, Ces65b, Hal66, IS75, Ris65]. **Ports** [Zem74]. **Positive** [And67, Bra72, AM68, AD66, Leh67, SY71, Sap73]. **Positivity** [Sko74]. **pour** [MA74]. **Practical** [WW69]. **precision** [KP73]. **Prediction** [KH69, Wei77]. **Prediction-Correction** [KH69, Wei77]. **Preface** [Bha72]. **prescribed** [Fre68, RT73]. **presence** [PD70]. **Prices** [Pel72]. **Primal** [Ber75]. **Primal-Dual** [Ber75]. **Prime** [Hey72]. **Principle** [Hal64, IS75, Ris65, SV64, Wie72, Yor72, Cul66a, Fat68b, Hal66, HH66, OJ68]. **Principles** [Ris75]. **Probability** [Kus64, Zak69, Paz67, Prè66]. **Problem** [Bar75b, Bar73, BJ71, Bre65, Cha64, Cry71, DMM75, FW74, Gar63, Gar64, Geh74, Gin67b, Gui65a, Gui65b, HH63, Her64, JK73, Mau75, Mey65, Mis65, Mis74, Neu64, O'M72, OK75, Ogu63b, PH75, SP71b, Sus72, TV75, Bal67, Bar69, Bri67, Bri68, CM70a, FY67, Goh66b, Kai69, Kir63, Por68, RFL69, Rub66, Sak66]. **Problems** [AT75, Aub70, Bal65, Ban69, BT75, Bar75a, Bar72a, Bar72b, Ber74, BBS69, Ces65a, CLS71, Cul66b, Cul72, Dan71, Dat73, De 70, Dem68, FG70, Gir69, Hal74, Hol75, Hua72, Jac70, Kel64, Kre74, Kus72, MN74, McS67, Mer64, Mey70a, Mie65, MN72, MH68, Oka64, Pet72, Psh66, Roc72, Rus75, Rus69a, Sak75, Sas72, Sas74, Sch72, Sch75c, TAG70, Vir70, War65a, War65b, War70a, War70b, Zol72, ARS67, Bal63, Ban68, Ben66, Ben70, Ber67, BM73, Bru68, CCP66, CE66, Ces65b, CLS73, CS70, Cow73, CP66, Cul66a, Cul69, Dan73, DM69, Ego66, Gam65, Gui69, Hau73b, Jac67b, Jac69b, KR66, Kro68, MB73, Moy73, NY68, Neu66, Neu67, Onu71, Par62, PP73, Ros66, SS71, Sno64, Sur73, Zlo70]. **Procédé** [Lor73a, Lor73b]. **Procedure** [Bar72b, PN70, Bar69, FY67, Gil66, KD66, Lor73b, MB73]. **procedures** [HK66]. **Process** [GSG67, IT75, Kak72, Lin74b, Rus69a, KD66]. **Processes** [Aka75, Bal74, Bal75, BVW75a, BVW75b, Cha66, Chi69, Chu75, IT75, Kus64, Kwa75, Lei65, Lin74a, Lin74b, LW75, Mar65, Ogu64, SL70, Bla66, Dan66, Ego66, Kir67, Kus67b, Mil68, NW70, Sto73, Vin69a, Vin69b, Vin69c, Vin70, Vin73]. **product** [MA74]. **produit** [MA74]. **Program** [SD71, Prè66]. **Programming** [ABI71, Ben66, Cry71, Gir69, Glo69, Gol65a, Kün66, MS71, Man75, McC75, Neu64, Ris71a, Ris75, Rob75, Roc74, VW66, Bar69, Bel66, Bol66, CE66, Dan66, DV73, Gui69, Kro68, Mor66, Ris70, TV67, Zlo70, Zou66]. **Programs** [Abr75, EH64, Fal69, GT73, WW69, GR69]. **Projection** [MT72, Med67]. **Projections** [Abr75]. **Proof** [BC72, Yor71]. **Properties** [Dat70, DZ75, Jur72, Onu71]. **Property** [CS74]. **Provisions** [Kle74]. **Pseudo** [Man65]. **Pseudo-Convex** [Man65]. **Pseudodelays** [War74]. **publications** [BEL68]. **Pursuit** [EF75, Fly74b, Mis65, Ogu64, Pet72, Por67, Rub72, Sak70]. **Pursuit-Evasion** [EF75, Por67, Sak70]. **Pushdown** [GS66]. **Quadratic** [Cry71, Dat73, Dat74, DMM75, KB70, LR69, Luk71, Luk72a, Mol75, Mor66, PN70, Rus73, Sca74b, TV75, Won71, Bar69, CE66, Gil66, GR69, Sak66, Wah73]. **Quadratiques** [Ben74]. **Qualitative** [DZ75]. **Quasi** [San75]. **Quasi-Linear** [San75]. **Questions** [AY70, Fil62]. **R** [NW70, Vin73]. **Random** [IT75, Sch75a, Con67, OJ68, Prè66]. **Randomly** [AJ71]. **Range** [Ces75]. **Raphson** [McG65]. **Rate** [CC68, SR64]. **Rates** [SL70]. **Rational** [For75]. **Reachability** [DM69]. **reachable** [HO73]. **reactor** [NY68]. **Real** [And67, AM68, Leh67]. **Realization** [BB75, DIR74, Wei72, DeS73]. **Realizations**

[ABL75, Kre75]. **Realizing** [Sko72]. **Recoverability** [SL70]. **Recursive** [Bal72a, Ris71b]. **Region** [GR75, For67]. **regular** [Hac73]. **Regularity** [MN72, WW69]. **Regulation** [CR68, Luk69, SW75, WP74, Rus66, Won73]. **Regulator** [BJ71, Cha64, O'M72, OK75, FY67]. **Related** [Sak75]. **Relations** [Gir69, Bal67, CP66, Kul66, Kul67, Mol73a]. **Relaxed** [McS67, Sch75c, War67a]. **Relaxive** [Zem74]. **Relay** [Ogu63a]. **Remark** [Chu65, SG63, Fat68b]. **Remarks** [Fat66, Jac67a, Tsu70, Zab74]. **Representation** [Aka75, BVW75a, Pli75, Won71, Str66]. **Representations** [Roo75a]. **reproducing** [Par62]. **Resolution** [De 74]. **resolvent** [Kai69]. **Response** [Har64]. **Restricted** [Hua72, Sca74a, Sch72, War67b, ZF68]. **Restrictions** [War70a]. **Results** [AM69, BVW75a, Buc66, CL75, Fly74b, WS74a]. **Retardation** [Ogu63a]. **Retarded** [BK72, Ogu64, LH69]. **Reward** [Pli75]. **Rivière** [KP72]. **Riccati** [Won69, Buc75, Buc77, CL75, Cur75b, Hew75, Mol73a, Mol73b, TV75, Won68a]. **right** [Fil67]. **right-hand** [Fil67]. **Ritz** [Dan73, MB73]. **rockets** [Ris66]. **Root** [Kra64a]. **Root-Locus** [Kra64a]. **Rotational** [LW75]. **routing** [Ben66]. **Rubio** [Gil67]. **Rule** [Nor71, WS74a].

Saddle [EKM73, Nor67, PR75, VL69, Nor68]. **Salesman** [Mur69]. **Sampled** [AJ71]. **Satisfied** [Kus64]. **Scale** [Var66]. **Scheduling** [Hof75]. **search** [Kro68]. **Searching** [Pau75]. **Second** [Bai65, BSB63, Jac70, MP69, Rus75, San64, Tsu70, Goh66b]. **semi** [Sto73]. **semi-Markov** [Sto73]. **semicontinuity** [Ces71, RM73]. **Semiconvex** [Wie72]. **semidefinite** [GR69]. **Semigroup** [Pli75]. **semilinear** [Sch67].

Sensitivity [Kre69, Por68]. **Separable** [WS74a, LL66]. **Separation** [Won68b]. **Sequences** [LwL67]. **Sequential** [ABL75, Chi69]. **Sequentially** [Rom69]. **Set** [Art75, CLS71, Dat70, PN70, Ste74, CLS73, Cul66a, DR67, Gil66, Paz67]. **Set-Valued** [Art75, Dat70]. **Sets** [Aub70, BK72, Ole74, HO73, Her67, Her68]. **Severall** [BT64]. **SIAM** [CLS73, Luk73]. **side** [Fil67]. **sided** [Mor66]. **simple** [How73]. **Simultanément** [Lor73a, Lor73b]. **simultaneously** [Lor73b]. **single** [BD68, NN66]. **single-loop** [BD68]. **Singular** [Bre65, Haa75, Her64, Jac70, Kel64, Mau75, MP71a, Sno64, Goh66a, Goh66b, Hay66, Jac69b, Moy73]. **Singularly** [O'M72, OK75, San75]. **Slender** [CLS71, CLS73]. **slope** [ZF68]. **slope-restricted** [ZF68]. **Small** [Fle71, Hol74]. **smooth** [DR67]. **smoothing** [Kai69, Med67]. **Solution** [Bar73, Cry71, De 70, Dem68, Gar63, Gar64, Mer64, PH75, RBR74, Sak70, Bal63, CP66, Mol73b, Ros66, Sak66]. **Solutions** [DV71, DV75, Fat64, Fau72, Lel70, Ris71a, San64, Var67, Ces65b, Fil67, Rus69b, SS71, Zak67]. **Solvability** [FW74]. **Solving** [Bar72a, Bar72b, Oka64, FY67]. **Some** [Bur66, CL75, DK70, Dem68, DZ75, Dre64, Fat66, Fly74b, FG70, GT73, Jac67b, Lei65, Oka64, Pon65, Ros64, WW69, Wil71b, Won64, de 68, Gam65, Jac67a, TV67]. **Soviet** [BEL68]. **Space** [ABI71, Ack75, Bal72b, BK72, Coo75, Dat70, FG70, Gui69, Gui65a, Kak72, Mey70a, Neu65, Por67, Rob75, Sch72, Smi64, Ste74, TAG70, Tri75, Zab75, Zmo74, Cul66a, Fat68b, FFZ69, MA74, Sle74, Zlo70]. **Space-Like** [Ste74]. **Spaces** [Bal65, Bar75a, Bar75b, Bro72, De 74, DR68, For75, Gol66, Nor71, Tsu70, Vin74, CCP66, KR66, Par62]. **spatial** [Joh73]. **specified** [Ben70]. **Spectral** [Dav72b]. **Spherical** [GR75]. **Spline** [Dan71]. **Splines** [MS71]. **Squares**

[AS65, Kai72, NS75]. **Stability** [Ack75, AM69, Bha64, Buc75, Buc77, Coo75, Dav72a, Dav72b, DMM75, Fre72, Gor72a, Gor72b, Hau73a, Kra64b, LaS62, Lef65, Mae73, Man63, Mic74, Mil72, NN66, NC68, Pen72, Ros64, Rox65, SH71, SG63, Ven71, Vid72, Vid75, Wei72, Wil69, ZF68, BD68, Bha66, tC68, FZ68, Fre68, FFZ69, Had73, Has68, LH69, Onu71, RT73, SA68, Sze62, VL66, WD69]. **stabilizability** [Sle74]. **Stabilization** [IMK72, WP74]. **stabilizing** [Mol73b]. **Stable** [Wil71a]. **stage** [KD66]. **State** [Bal72a, BJ71, Cul72, FG70, Hau71, Kak72, McG65, O'M72, OK75, Roc72, Roo69, Rus75, Sch72, Sch75b, Sch75c, Sny75, TV75, Wol72, Bal67, DeS73, Gil69, Joh73, Mil68, Won67]. **State-Constrained** [Cul72]. **state-dependent** [Won67]. **state-relations** [Bal67]. **States** [AKR67, BJL75, Bal67]. **Stationary** [Hau71, Hau74, Lin74a, Lin74b, Sch72, Sny75, Zak69, KR66, Kul66, Won67]. **Statistical** [Sch75a, Hol68]. **Steepest** [Gol65b, Vac66, Bal63]. **steering** [Aro73]. **Stochastic** [Aka75, Bal72b, Ben71, BV75, Bis74, Dre64, DV71, DV75, Fle71, Hof75, KO75, Kus65a, Kus65b, Kus72, Kwa75, Lin73, LW75, Roo69, SW75, Swo64, Wit68, Won64, Won68a, Won68b, Zab75, Ben70, CS70, DV73, Dav73, Kus67a, Kus67b, Paz67, Ris70, Str66, VW66, Won69, Zak67]. **Strategies** [SP71a, Ben70, Ber67, SRP69]. **Strategy** [Ho66, Ogu64]. **Strict** [De 74]. **String** [Mal69]. **strong** [Moy73, Rus69b]. **Structural** [Buc75, Buc77, Mor73]. **Structure** [DIR74, Hey72, MS73, SP71b, WF69, AM68, Wei68]. **Structures** [Wit71]. **Subarcs** [Kel64, MP71a]. **Subject** [CH75, Wah73]. **Suboptimal** [LwL67]. **suboptimization** [Bel66]. **Subspaces** [WE75, FJ68]. **Sufficiency** [Arm74]. **Sufficient** [Bar71, Bol66, FG70, Geh74, Jac70, Kus65b, Lee63, Man66, Moy73, DK70, Hac73, Ris70, Sto73]. **sum** [Var70]. **Sure** [AJ71]. **Surveillance** [ARS67, Rus69a]. **survey** [BEL68, Zou66]. **Survival** [Ste74]. **Switching** [Ogu63a]. **symmetric** [Rus66, Rus73]. **Symmetries** [Chu74]. **Symmetry** [IS75]. **Synthesis** [Bab64, MP71b, Mir69, Mor71, Bri67, Bri68, Hac73]. **System** [And67, AM69, AY70, Bro72, DV71, DV75, Gin67a, Hua72, Mor71, OJ68, Bel66, Kus68, Por68, Won67]. **Systematic** [Cry71]. **Systèmes** [Fau72, Lob70, Lob76]. **Systems** [Ack75, AJ71, AT75, AM75, Bab64, Bai65, BJL75, Bar71, Bau72, BV75, Bha64, Bic68, Bra72, BSB63, CR68, Che70, Chu74, CL66, Chy67, Cir69, Cul64, Cur75b, DIR74, Dau71, Dav72b, De 74, DM72a, DM72b, DMM75, DC72, Dol73, Doo64, Dre64, Fat68a, For75, FG71, Fre72, Gal69, Hal68b, Hau74, HT70, Hey72, Hof75, IMK72, IMK75, JP64, Jur70, Jur72, Kal63, Kra64b, Kre69, Kre73, Kus70, LCB72, Lin73, Lo75, Lob74, Luk69, LR69, Luk72b, Mic74, MF71, MS75, MS73, Neu62, Nol75, NS75, Ogu63a, Ogu63b, Ogu64, Pen72, Pop72, Por66, RM68, Ris65, Ris75, Ris71b, Roi70, Roo69, Roo75a, Roo75b, Rox65, San64, San75, Sch75a, Sch75b, SP71b, Sko72, Sko74, SW75, SV64, SB74, Sus72, Swo64, SG63, Var66, Ven71]. **Systems** [Vid72, Vid75, Wan75, Wei67, Wei72, Wil71a, Wit70, WF69, WM70, WP74, Zab74, Zab75, Zak69, Zmo74, Aro73, BD68, Bal67, Bha66, BEL68, tC68, Con67, DIR73, Dau73, DV73, DK70, DeS73, DM69, Ego66, Ego67, Fat68b, FJ68, For67, FZ68, Fre68, Gil63, Gil69, Had73, Hal71, Hal66, Hau73a, HO73, HH66, Hol68, Joh73, LH69, LL66, Lob70, Lob76, Luk73, Man66, Mor73, NC68, RFL69, Rus66, Rus73, Sak66, SY71, Sap73, Sch67, SM67, SA68, Sle74, Sze62, VL66, Wei68, Won73, WD69, ZF68]. **Target** [BK72]. **Technique** [Bal68, Pea66a]. **telephone** [Ben66]. **Temperature** [Fat75]. **Tenability** [Sch75b]. **Terminal** [BT64, Ho66, Ste74, Joh73]. **Their** [Pet72].

Theorem [AT74, Ces65a, CLS71, Ces74, EG74, Kre74, Nis67, Vin74, Won68b, Yor71, CLS73, Cow73, HO73, Hay66]. **Theorems** [Bau72, Ber74, Bur66, Gor72a, KO75, de 68, Ces65b, Ces68, Ces71, Has68, Jac67b, Kus67a]. **theoretic** [Bal63, Kul66, Kul67].

Theory

[And67, Arb65, Arm74, BB75, Bar73, BB64, Bro72, Buc66, Cas69, CS74, Cha66, Cul64, DIR74, Dav72b, EG74, FF69, Gor72b, Háj71, HH70, Hes65, IMK75, IT75, Kle74, Lee63, Mir69, Neu65, Oka64, Pli75, Rus71b, Sch65, Smi64, DIR73, Ego66, Fil62, FFZ69, Gam65, Kir67, Neu66, Neu67, Onu71, Sch67, Wei68].

Thin [Kom70]. **Thrust** [Gur64, Ris66].

Tight [CC68]. **Time**

[Ack75, AM75, Bic68, Bru74, Chi69, Chu75, CL66, DMM75, Fat64, GSG67, Háj71, Hal68b, Har64, Her72, IMK75, JP64, Kak72, Kra64a, Kra64b, LCB72, Lin74a, Lin74b, Mey70a, MF71, Nol75, Oğu63b, Pop72, Roo75b, Ros64, SR64, Sko72, Swo64, SG63, Ven71, Vid72, Wan75, Wei72, Zab74, Zab75, Bal67, Ban68, tC68, DK70, FZ68, Fre68, FY67, Had73, Hal71, Mil68, NC68, Ris70, SM67, Sze62, VL66, WD69].

Time-Dependent [Ros64].

Time-Invariant [Pop72, Vid72].

Time-Optimal

[Bru74, Fat64, Háj71, Her72, FY67].

time-variable [SM67]. **Time-Varying**

[Ack75, AM75, Bic68, IMK75, Nol75, Roo75b, Sko72, Bal67, tC68, DK70, FZ68, Fre68, Had73, NC68, VL66, WD69].

Topological [Pet72]. **topology** [Rus69b].

totally [Hay66]. **Tours** [Mur69]. **Tracer**

[Pap73]. **Tracking** [FG71, Won73].

Trajectories [Gur64, Neu65, BJ70].

Trajectory [Kel64]. **Transfer**

[FG71, HT70]. **Transform** [FF69].

Transformation [Kel64]. **transverse**

[Kom68]. **Traveling** [Mur69]. **Tucker**

[Gui69, Sch73, Zlo70]. **Turn** [GS66]. **Two**

[LS75, Mer64, Sch67, ARS67].

Two-dimensional [ARS67]. **Two-Point**

[Mer64]. **Type**

[BK72, Oğu63a, Sak74, Sak75, Ces68, Hal66].

Types [Dre64].

Ucebn [Vin73]. **ultimate** [Zak67].

Unattained [Abr75]. **Unbounded**

[CLS71, War65b, CLS73]. **Uncertain**

[Pen72, Wit70]. **uncertainty**

[VW66, Wil71b]. **Unconstrained**

[CM70b, Dat73, Man75]. **Unilateral**

[War65a, War70b]. **uniqueness** [HO73].

Upper [CC68]. **Use** [Kle74, Wol72]. **Used**

[NS75]. **Using** [Bal74, Bal75, BSB63, SB74,

Cry71, Joh73, Lor73b, SY71]. **Utilisant**

[Lor73a, Lor73b].

V [Vin73]. **V.** [NW70]. **Validity** [Mey70b].

Value

[GR75, Mer64, Rus71a, Rus71b, Ste72, RT73].

Valued [Art75, Dat70, Fil67, Rus69b].

Values [SD71]. **Variable**

[MN74, San64, Ban68, Joh73, SM67].

Variables

[Aka75, Roo69, Goh66a, Sch67, Vac66].

Variation [BSB63, Jac70, Ven71, Won71,

FZ68, Goh66b, Lor73b]. **Variational**

[Ban69, Gui65b, Hes65, McS67, War65b,

Neu66, Neu67]. **Variations**

[Lor73a, War65a, Lor73b]. **Varying**

[Ack75, AM75, Bic68, IMK75, Nol75,

Roo75b, Sko72, Ven71, Bal67, tC68, DK70,

FZ68, Fre68, Had73, NC68, VL66, WD69].

Vector [Bel62, For75, Kno75, LS75, Pli75,

Sch65, Hay66]. **vectors** [Paz67]. **Vehicle**

[Smi64]. **Via**

[FG71, BJ71, HH70, MS71, WE75].

Vibrating [Kom70, Mal69]. **vibration**

[Kom68]. **Vinokurov** [NW70, Vin73].

Volterra [Mae73]. **Vyss** [Vin73].

W [Ano74]. **Wave** [GR75, Rus71a, Rus71b].

Weak [Art75, Ole74, Ris71a]. **Weakened**

[Gui65b]. **Weber** [PH75]. **Weighting**

[Sko72]. **Which** [Aub70, Cul66a]. **White** [IT75, Kus68]. **whose** [Paz67, Ris65]. **without** [Ces74, Hal74]. **Wolfe** [CC68, Mey74].

Zaved [Vin73]. **zeros** [Leh67].

References

Abrams:1971:NPC

[ABI71] Robert A. Abrams and Adi Ben-Israel. Nonlinear programming in complex space: Necessary conditions. *SIAM Journal on Control*, 9(4):606–620, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Anderson:1975:SCM

[ABL75] B. M. Anderson, F. M. Brasch, Jr., and P. V. Lopresti. Sequential construction of minimal partial realizations from finite input-output data. *SIAM Journal on Control*, 13(3):552–571, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Abrams:1975:PCP

[Abr75] Robert A. Abrams. Projections of convex programs with unattained infima. *SIAM Journal on Control*, 13(3):706–718, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Acker:1975:SCT

[Ack75] Andrew Acker. Stability criteria for time-varying systems in Hilbert space. *SIAM Journal on Control*, 13(6):1156–1171, November 1975. CO-

DEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Anvari:1966:EOC

[AD66] M. Anvari and R. F. Datko. The existence of optimal controls for a performance index with a positive integrand. *SIAM Journal on Control*, 4(2):372–381, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Anderson:1975:MOI

[ADT75] William N. Anderson, Jr., Richard J. Duffin, and George E. Trapp. Matrix operations induced by network connections. *SIAM Journal on Control*, 13(2):446–461, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Agniel:1971:ASB

[AJ71] R. G. Agniel and E. I. Jury. Almost sure boundedness of randomly sampled systems. *SIAM Journal on Control*, 9(3):372–384, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Akaike:1975:MRS

[Aka75] Hirotugu Akaike. Markovian representation of stochastic processes by canonical variables. *SIAM Journal on Control*, 13(1):162–173, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Akilov:1967:ESE

[AKR67] G. P. Akilov, L. V. Kantorovich, and G. Sh. Rubinshtein. Extremal states and extremal controls. *SIAM Journal on Control*, 5(4):600–608, 1967.

1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Anderson:1968:ASG

- [AM68] B. D. O. Anderson and J. B. Moore. Algebraic structure of generalized positive real matrices. *SIAM Journal on Control*, 6(4):615–624, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Anderson:1969:NRL

- [AM69] B. D. O. Anderson and J. B. Moore. New results in linear system stability. *SIAM Journal on Control*, 7(3):398–414, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Arbib:1975:TVS

- [AM75] Michael A. Arbib and Ernest G. Manes. Time-varying systems. *SIAM Journal on Control*, 13(6):1252–1270, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Anderson:1967:STC

- [And67] B. D. O. Anderson. A system theory criterion for positive real matrices. *SIAM Journal on Control*, 5(2):171–182, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Anonymous:1974:LWN

- [Ano74] Anonymous. Lucien W. Neustadt — in memoriam. *SIAM Journal on Control*, 12(2):179–183, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Arbib:1965:CFA

- [Arb65] Michael A. Arbib. A common framework for automata theory and control theory. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):206–222, 1965. CODEN JSMCAL. ISSN 0887-4603.

Armstrong:1974:EOC

- [Arm74] Gerald M. Armstrong. An extension of an optimal control sufficiency theory. *SIAM Journal on Control*, 12(4):650–654, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Aronsson:1973:GCB

- [Aro73] Gunnar Aronsson. Global controllability and bang-bang steering of certain nonlinear systems. *SIAM Journal on Control*, 11(4):607–619, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Antelman:1967:SPT

- [ARS67] G. R. Antelman, C. B. Russell, and I. R. Savage. Surveillance problems: Two-dimensional with continuous surveillance. *SIAM Journal on Control*, 5(2):245–267, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Artstein:1975:WCS

- [Art75] Zvi Artstein. Weak convergence of set-valued functions and control. *SIAM Journal on Control*, 13(4):865–878, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Albert:1965:MCL

- [AS65] Arthur Albert and Robert W. Sittler. A method for computing least squares estimators that keep up with the data. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):384–417, ??? 1965. CODEN JSMCAL. ISSN 0887-4603.

Ahmed:1974:ETO

- [AT74] N. U. Ahmed and K. L. Teo. An existence theorem on optimal control of partially observable diffusions. *SIAM Journal on Control*, 12(3):351–355, ??? 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ahmed:1975:NCO

- [AT75] N. U. Ahmed and K. L. Teo. Necessary conditions for optimality of Cauchy problems for parabolic partial differential systems. *SIAM Journal on Control*, 13(5):981–993, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Aubin:1970:CSC

- [Aub70] Jean Pierre Aubin. Characterization of the sets of constraints for which the necessary conditions for optimization problems hold. *SIAM Journal on Control*, 8(2):148–162, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Aoki:1970:CCQ

- [AY70] M. Aoki and P. C. Yue. On certain convergence questions in system identification. *SIAM Journal*

on Control, 8(2):239–256, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Babunashvili:1964:SLO

- [Bab64] T. G. Babunashvili. The synthesis of linear optimal systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):261–265, ??? 1964. CODEN JSMCAL. ISSN 0887-4603.

Bailey:1965:ALS

- [Bai65] F. N. Bailey. The application of Lyapunov's second method to interconnected systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):443–462, ??? 1965. CODEN JSMCAL. ISSN 0887-4603.

Balakrishnan:1963:OTF

- [Bal63] A. V. Balakrishnan. An operator theoretic formulation of a class of control problems and a steepest descent method of solution. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(2):109–127, ??? 1963. CODEN JSMCAL. ISSN 0887-4603.

Balakrishnan:1965:OCP

- [Bal65] A. V. Balakrishnan. Optimal control problems in Banach spaces. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):152–180, ??? 1965. CODEN JSMCAL. ISSN 0887-4603.

Balakrishnan:1967:PDS

- [Bal67] A. V. Balakrishnan. On the problem of deducing states and state-relations from input-output relations for linear time-varying systems.

SIAM Journal on Control, 5(3):309–325, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Balakrishnan:1968:NCT

- [Bal68] A. V. Balakrishnan. On a new computing technique in optimal control. *SIAM Journal on Control*, 6(2):149–173, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Balakrishnan:1972:MAL

- [Bal72a] A. V. Balakrishnan. Martingale approach to linear recursive state estimation. *SIAM Journal on Control*, 10(4):754–766, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Balakrishnan:1972:SCF

- [Bal72b] A. V. Balakrishnan. Stochastic control: a function space approach. *SIAM Journal on Control*, 10(2):285–297, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Balakrishnan:1974:AIJ

- [Bal74] A. V. Balakrishnan. On the approximation of Ito integrals using band-limited processes. *SIAM Journal on Control*, 12(2):237–251, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See errata [Bal75].

Balakrishnan:1975:EAI

- [Bal75] A. V. Balakrishnan. Errata: On the approximation of Ito integrals using band-limited processes. *SIAM Journal on Control*, 13(4):975, 1975.

CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Bal74].

Banks:1968:NCC

- [Ban68] H. T. Banks. Necessary conditions for control problems with variable time lags. *SIAM Journal on Control*, 6(1):9–47, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Banks:1969:VPI

- [Ban69] H. T. Banks. Variational problems involving functional differential equations. *SIAM Journal on Control*, 7(1):1–17, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Barr:1969:ECP

- [Bar69] Robert O. Barr. An efficient computational procedure for a generalized quadratic programming problem. *SIAM Journal on Control*, 7(3):415–429, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Barnes:1971:NSO

- [Bar71] Earl R. Barnes. Necessary and sufficient optimality conditions for a class of distributed parameter control systems. *SIAM Journal on Control*, 9(1):62–82, February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Barnes:1972:GCA

- [Bar72a] Earl R. Barnes. A geometrically convergent algorithm for solving optimal control problems. *SIAM Journal on Control*, 10(3):434–443, 1972.

1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Barnes:1972:PSC

- [Bar72b] Earl R. Barnes. A procedure for solving certain dual optimal control problems. *SIAM Journal on Control*, 10(2):377–392, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Barnes:1973:SDP

- [Bar73] Earl R. Barnes. Solution of a dual problem in optimal control theory. *SIAM Journal on Control*, 11(2):344–357, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Barbu:1975:CCP

- [Bar75a] Viorel Barbu. Convex control problems of Bolza in Hilbert spaces. *SIAM Journal on Control*, 13(4):754–771, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Barbu:1975:CPB

- [Bar75b] Viorel Barbu. On the control problem of Bolza in Hilbert spaces. *SIAM Journal on Control*, 13(5):1062–1076, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Baum:1972:ETM

- [Bau72] Richard F. Baum. Existence theorems for multidimensional control systems with lower-dimensional controls. *SIAM Journal on Control*, 10(4):623–638, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bellman:1964:ACT

- [BB64] Richard Bellman and Richard Bucy. Asymptotic control theory. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):11–18, 1964. CODEN JSMCAL. ISSN 0887-4603.

Baras:1975:FID

- [BB75] J. S. Baras and R. W. Brockett. H^2 -functions and infinite-dimensional realization theory. *SIAM Journal on Control*, 13(1):221–241, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Budak:1969:DAO

- [BBS69] B. M. Budak, E. M. Berkovich, and E. N. Solov'eva. Difference approximations in optimal control problems. *SIAM Journal on Control*, 7(1):18–31, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Baum:1972:RPP

- [BC72] R. F. Baum and L. Cesari. On a recent proof of Pontryagin's necessary conditions. *SIAM Journal on Control*, 10(1):56–75, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Baker:1968:ASL

- [BD68] R. A. Baker and C. A. Desoer. Asymptotic stability in the large of a class of single-loop feedback systems. *SIAM Journal on Control*, 6(1):1–8, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bellman:1962:VLF

- [Bel62] Richard Bellman. Vector Lyapunov functions. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(1):32–34, 1962. CODEN JSM-CAL. ISSN 0887-4603.

Bellman:1966:DPS

- [Bel66] Richard Bellman. Dynamic programming, system identification, and suboptimization. *SIAM Journal on Control*, 4(1):1–5, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Butkovsky:1968:OCD

- [BEL68] A. G. Butkovsky, A. I. Egorov, and K. A. Lurie. Optimal control of distributed systems (a survey of Soviet publications). *SIAM Journal on Control*, 6(3):437–476, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Benes:1966:PCP

- [Ben66] V. E. Beneš. Programming and control problems arising from optimal routing in telephone networks. *SIAM Journal on Control*, 4(1):6–18, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Benes:1970:EOS

- [Ben70] V. E. Beneš. Existence of optimal strategies based on specified information, for a class of stochastic decision problems. *SIAM Journal on Control*, 8(2):179–188, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Benes:1971:EOS

- [Ben71] V. E. Benes. Existence of optimal stochastic control laws. *SIAM Journal on Control*, 9(3):446–472, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bensoussan:1974:PNC

- [Ben74] A. Bensoussan. Points de Nash dans le cas de fonctionnelles quadratiques et jeux différentiels linéaires à N personnes. *SIAM Journal on Control*, 12(3):460–499, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Berkovitz:1967:NCO

- [Ber67] Leonard D. Berkovitz. Necessary conditions for optimal strategies in a class of differential games and control problems. *SIAM Journal on Control*, 5(1):1–24, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Berkovitz:1974:ELC

- [Ber74] Leonard D. Berkovitz. Existence and lower closure theorems for abstract control problems. *SIAM Journal on Control*, 12(1):27–42, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bertsekas:1975:CPD

- [Ber75] Dimitri P. Bertsekas. Combined primal-dual and penalty methods for constrained minimization. *SIAM Journal on Control*, 13(3):521–544, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bergen:1971:JDF

- [BF71] A. R. Bergen and R. L. Franks. Justification of the describing function method. *SIAM Journal on Control*, 9(4):568–589, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bhatia:1964:ESL

- [Bha64] Nam P. Bhatia. On exponential stability of linear differential systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):181–191, 1964. CODEN JSMCAL. ISSN 0887-4603.

Bhatia:1966:AES

- [Bha66] Nam P. Bhatia. Addendum: “On exponential stability of linear differential systems”. *SIAM Journal on Control*, 4(4):695–697, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bhatia:1972:P

- [Bha72] Nam P. Bhatia. Preface. *SIAM Journal on Control*, 10(2):vii, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bickart:1968:IPT

- [Bic68] Theodore A. Bickart. Instability of periodically time-varying linear control systems. *SIAM Journal on Control*, 6(1):48–57, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bismut:1974:EOS

- [Bis74] Jean-Michel Bismut. An example of optimal stochastic control with constraints. *SIAM Journal on Control*,

12(3):401–418, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Banks:1970:OTL

- [BJ70] H. T. Banks and Marc Q. Jacobs. The optimization of trajectories of linear functional differential equations. *SIAM Journal on Control*, 8(4):461–488, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bosarge:1971:EBH

- [BJ71] W. E. Bosarge, Jr. and O. G. Johnson. Error bounds of high order accuracy for the state regulator problem via piecewise polynomial approximations. *SIAM Journal on Control*, 9(1):15–28, February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Banks:1975:CCS

- [BJL75] H. T. Banks, Marc Q. Jacobs, and C. E. Langenhop. Characterization of the controlled states in $W_2^{(1)}$ of linear hereditary systems. *SIAM Journal on Control*, 13(3):611–649, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Banks:1972:CFD

- [BK72] H. T. Banks and G. A. Kent. Control of functional differential equations of retarded and neutral type to target sets in function space. *SIAM Journal on Control*, 10(4):567–593, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Blaquiere:1966:FIG

- [Bla66] A. Blaquière. Further investigation into the geometry of optimal processes. *SIAM Journal on Control*, 4(1):19–33, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Blum:1965:MFE

- [Blu65] E. K. Blum. Minimization of functionals with equality constraints. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):299–316, 1965. CODEN JSMCAL. ISSN 0887-4603.

Bertsekas:1973:DNM

- [BM73] Dimitri P. Bertsekas and Sanjoy K. Mitter. A descent numerical method for optimization problems with non-differentiable cost functionals. *SIAM Journal on Control*, 11(4):637–652, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Boltyanskii:1966:SCO

- [Bol66] V. G. Boltyanskii. Sufficient conditions for optimality and the justification of the dynamic programming method. *SIAM Journal on Control*, 4(2):326–361, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Brammer:1972:CLA

- [Bra72] Robert F. Brammer. Controllability in linear autonomous systems with positive controllers. *SIAM Journal on Control*, 10(2):339–353, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Brammer:1974:GCO

- [Bra74] Robert F. Brammer. Geometrically constrained observability. *SIAM Journal on Control*, 12(3):449–459, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Breakwell:1965:DSP

- [Bre65] J. V. Breakwell. A doubly singular problem in optimal interplanetary guidance. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):71–77, 1965. CODEN JSMCAL. ISSN 0887-4603.

Bridgland:1963:EOF

- [Bri63] T. F. Bridgland, Jr. On the existence of optimal feedback controls. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):261–274, 1963. CODEN JSMCAL. ISSN 0887-4603.

Bridgland:1964:EOF

- [Bri64] T. F. Bridgland, Jr. On the existence of optimal feedback controls. II. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):137–150, 1964. CODEN JSMCAL. ISSN 0887-4603.

Bridgland:1967:PAS

- [Bri67] T. F. Bridgland, Jr. On the problem of approximate synthesis of optimal controls. *SIAM Journal on Control*, 5(3):326–344, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See errata [Bri68].

Bridgland:1968:EPA

- [Bri68] T. F. Bridgland, Jr. Errata: “On the problem of approximate synthesis of optimal controls”. *SIAM Journal on Control*, 6(1):58, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Bri67].

Brockett:1972:STG

- [Bro72] R. W. Brockett. System theory on group manifolds and coset spaces. *SIAM Journal on Control*, 10(2):265–284, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Brunovsky:1968:NCC

- [Bru68] Pavol Brunovský. On the necessity of a certain convexity condition for lower closure of control problems. *SIAM Journal on Control*, 6(2):174–185, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Brunovsky:1974:CLT

- [Bru74] Pavol Brunovský. The closed-loop time-optimal control. I: Optimality. *SIAM Journal on Control*, 12(4):624–634, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Breakwell:1963:OCN

- [BSB63] John V. Breakwell, Jason L. Speyer, and Arthur E. Bryson. Optimization and control of nonlinear systems using the second variation. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(2):193–223, 1963. CODEN JSMCAL. ISSN 0887-4603.

Breakwell:1964:MEC

- [BT64] J. V. Breakwell and F. Tung. Minimum effort control of several terminal components. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):295–316, 1964. CODEN JSMCAL. ISSN 0887-4603.

Baranger:1975:NOP

- [BT75] J. Baranger and R. Temam. Nonconvex optimization problems depending on a parameter. *SIAM Journal on Control*, 13(1):146–152, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bucy:1966:NRA

- [Buc66] R. S. Bucy. New results in asymptotic control theory. *SIAM Journal on Control*, 4(3):397–402, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bucy:1975:SSR

- [Buc75] R. S. Bucy. Structural stability for the Riccati equation. *SIAM Journal on Control*, 13(4):749–753, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Buc77].

Bucy:1977:ESS

- [Buc77] R. S. Bucy. Erratum: Structural stability for the Riccati equation. *SIAM Journal on Control and Optimization*, 15(5):904, August 1977. CODEN SJCODC. ISSN 0363-0129 (print), 1095-7138 (electronic). See [Buc75].

Burton:1965:GLE

- [Bur65] T. A. Burton. The generalized Liendard equation. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):223–230, 1965. CODEN JSMCAL. ISSN 0887-4603.

Burton:1966:SLT

- [Bur66] T. A. Burton. Some Liapunov theorems. *SIAM Journal on Control*, 4(3):460–465, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Bensoussan:1975:OCS

- [BV75] A. Bensoussan and M. Viot. Optimal control of stochastic linear distributed parameter systems. *SIAM Journal on Control*, 13(4):904–926, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Boel:1975:MJPa

- [BVW75a] R. Boel, P. Varaiya, and E. Wong. Martingales on jump processes. i: Representation results. *SIAM Journal on Control*, 13(5):999–1021, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Boel:1975:MJPb

- [BVW75b] R. Boel, P. Varaiya, and E. Wong. Martingales on jump processes. II: Applications. *SIAM Journal on Control*, 13(5):1022–1061, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Case:1969:TTM

- [Cas69] James H. Case. Toward a theory of many player differential games. *SIAM Journal on Control*, 7(2):179–197, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Canon:1968:TUB

- [CC68] M. D. Canon and C. D. Cullum. A tight upper bound on the rate of convergence of Frank–Wolfe algorithm. *SIAM Journal on Control*, 6(4):509–516, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Canon:1966:CMP

- [CCP66] M. Canon, C. Cullum, and E. Polak. Constrained minimization problems in finite-dimensional spaces. *SIAM Journal on Control*, 4(3):528–547, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Canon:1966:NAC

- [CE66] M. D. Canon and James H. Eaton. A new algorithm for a class of quadratic programming problems with application to control. *SIAM Journal on Control*, 4(1):34–45, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cesari:1965:ETP

- [Ces65a] Lamberto Cesari. An existence theorem in problems of optimal control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):7–22, 1965. CODEN JSMCAL. ISSN 0887-4603.

Cesari:1965:ETO

- [Ces65b] Lamberto Cesari. Existence theorems for optimal solutions in Pontryagin and Lagrange problems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):475–498, 1965. CODEN JSMCAL. ISSN 0887-4603.

Cesari:1968:ETO

- [Ces68] Lamberto Cesari. Existence theorems for optimal controls of the Mayer type. *SIAM Journal on Control*, 6(4):517–552, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cesari:1971:CLC

- [Ces71] Lamberto Cesari. Closure, lower closure, and semicontinuity theorems in optimal control. *SIAM Journal on Control*, 9(2):287–315, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cesari:1974:ETC

- [Ces74] Lamberto Cesari. An existence theorem without convexity conditions. *SIAM Journal on Control*, 12(2):319–331, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cesari:1975:CRC

- [Ces75] Lamberto Cesari. Convexity of the range of certain integrals. *SIAM Journal on Control*, 13(3):666–676, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cockayne:1975:PMP

- [CH75] E. J. Cockayne and G. W. C. Hall. Plane motion of a particle subject to curvature constraints. *SIAM Journal on Control*, 13(1):197–220, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chang:1964:ORP

- [Cha64] Albert Chang. An optimal regulator problem. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):220–233, 1964. CODEN JSMCAL. ISSN 0887-4603.

Chang:1966:GTO

- [Cha66] Sheldon S. L. Chang. General theory of optimal processes. *SIAM Journal on Control*, 4(1):46–55, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cheprasov:1970:CNS

- [Che70] V. A. Cheprasov. On controllability of nonlinear systems. *SIAM Journal on Control*, 8(1):113–123, February 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chitgopekar:1969:CTM

- [Chi69] S. S. Chitgopekar. Continuous time Markovian sequential control processes. *SIAM Journal on Control*, 7(3):367–389, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chu:1965:RCC

- [Chu65] Hsin Chu. A remark on complete controllability. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):

439–442, 1965. CODEN JSM-CAL. ISSN 0887-4603.

Casti:1975:SNA

Chukwu:1974:SAL

- [Chu74] Ethelbert Nwakuche Chukwu. Symmetries of autonomous linear control systems. *SIAM Journal on Control*, 12(3):436–448, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

- [CL75] J. Casti and L. Ljung. Some new analytic and computational results for operator Riccati equations. *SIAM Journal on Control*, 13(4):817–826, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chukwu:1975:FTC

- [Chu75] Ethelbert N. Chukwu. Finite time controllability of nonlinear control processes. *SIAM Journal on Control*, 13(4):807–816, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cesari:1971:ETL

- [CLS71] L. Cesari, J. R. La Palm, and D. A. Sanchez. An existence theorem for Lagrange problems with unbounded controls and a slender set of exceptional points. *SIAM Journal on Control*, 9(4):590–605, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [CLS73].

Chyung:1967:OSM

- [Chy67] Dong Hak Chyung. Optimal systems with multiple cost functionals. *SIAM Journal on Control*, 5(3):345–351, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cesari:1973:EET

- [CLS73] L. Cesari, J. R. La Palm, and D. A. Sánchez. Erratum: “An existence theorem for Lagrange problems with unbounded controls and a slender set of exceptional points” (*SIAM J. Control* **9** (1971), 590–605). *SIAM Journal on Control*, 11(4):677, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [CLS71].

Cirina:1969:BCN

- [Cir69] Marco Cirinà. Boundary controllability of nonlinear hyperbolic systems. *SIAM Journal on Control*, 7(2):198–212, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cea:1970:EMM

Chyung:1966:LOS

- [CL66] D. H. Chyung and E. Bruce Lee. Linear optimal systems with time delays. *SIAM Journal on Control*, 4(3):548–575, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

- [CM70a] Jean C ea and Kazimierz Malanowski. An example of a max-min problem in partial differential equations. *SIAM Journal on Control*, 8(3):305–316, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chazan:1970:NPA

- [CM70b] D. Chazan and W. L. Miranker. Nongradient and parallel algorithm for unconstrained minimization. *SIAM Journal on Control*, 8(2):207–217, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Connors:1967:CDL

- [Con67] Michael M. Connors. Controllability of discrete, linear, random dynamical systems. *SIAM Journal on Control*, 5(2):183–210, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cook:1975:CCS

- [Coo75] P. A. Cook. Circle criteria for stability in Hilbert space. *SIAM Journal on Control*, 13(3):593–610, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cowles:1973:ETO

- [Cow73] David E. Cowles. An existence theorem for optimization problems involving integral equations. *SIAM Journal on Control*, 11(4):595–606, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cullum:1966:ERC

- [CP66] C. D. Cullum and E. Polak. Equivalence relations for the classification and solution of optimal control problems. *SIAM Journal on Control*, 4(3):403–420, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chang:1968:RII

- [CR68] A. Chang and J. Rissanen. Regulation of incompletely identified linear systems. *SIAM Journal on Control*, 6(3):327–348, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cryer:1971:SQP

- [Cry71] Colin W. Cryer. The solution of a quadratic programming problem using systematic overrelaxation. *SIAM Journal on Control*, 9(3):385–392, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chen:1970:DPD

- [CS70] I-Ngo Chen and C. L. Sheng. The decision problems of definite stochastic automata. *SIAM Journal on Control*, 8(1):124–134, February 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cesari:1974:CPO

- [CS74] L. Cesari and M. B. Suryanarayana. Convexity and property (Q) in optimal control theory. *SIAM Journal on Control*, 12(4):705–720, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Culver:1964:ATM

- [Cul64] W. J. Culver. An analytic theory of modeling for a class of minimal-energy control systems (disturbance-free case). *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):267–294, 1964. CODEN JSMCAL. ISSN 0887-4603.

Cullum:1966:MPO

- [Cul66a] Jane Cullum. A maximum principle for optimal control problems in which the phase space constraint set is closed. *SIAM Journal on Control*, 4(3):488–504, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cullum:1966:POC

- [Cul66b] Jane Cullum. Perturbations of optimal control problems. *SIAM Journal on Control*, 4(3):473–487, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cullum:1969:DAC

- [Cul69] Jane Cullum. Discrete approximations to continuous optimal control problems. *SIAM Journal on Control*, 7(1):32–49, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Cullum:1972:FDA

- [Cul72] Jane Cullum. Finite-dimensional approximations of state-constrained continuous optimal control problems. *SIAM Journal on Control*, 10(4):649–670, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Curtain:1975:IDF

- [Cur75a] Ruth F. Curtain. Infinite-dimensional filtering. *SIAM Journal on Control*, 13(1):89–104, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Curtain:1975:IDR

- [Cur75b] Ruth F. Curtain. The infinite dimensional Riccati equation with applications to affine hereditary differential systems. *SIAM Journal on Control*, 13(6):1130–1143, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Dantzig:1966:LCP

- [Dan66] George B. Dantzig. Linear control processes and mathematical programming. *SIAM Journal on Control*, 4(1):56–60, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Daniel:1971:CDC

- [Dan71] James W. Daniel. Convergence of a discretization for constrained spline function problems. *SIAM Journal on Control*, 9(1):83–96 (or 83–86??), February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Daniel:1973:RGM

- [Dan73] James W. Daniel. The Ritz–Galerkin method for abstract optimal control problems. *SIAM Journal on Control*, 11(1):53–63, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Datko:1970:MPS

- [Dat70] Richard Datko. Measurability properties of set-valued mappings in a Banach space. *SIAM Journal on Control*, 8(2):226–238, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Datko:1973:UCP

- [Dat73] Richard Datko. Unconstrained control problems with quadratic cost. *SIAM Journal on Control*, 11(1):32–52, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Datko:1974:NAF

- [Dat74] R. Datko. Neutral autonomous functional equations with quadratic cost. *SIAM Journal on Control*, 12(1):70–82, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Dauer:1971:PLC

- [Dau71] Jerald P. Dauer. Perturbations of linear control systems. *SIAM Journal on Control*, 9(3):393–400, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Dau73].

Dauer:1973:EPL

- [Dau73] Jerald P. Dauer. Errata: “Perturbations of linear control systems”. *SIAM Journal on Control*, 11(2):395, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Dau71].

Davis:1972:FOE

- [Dav72a] Jon H. Davis. Fredholm operators, encirclements, and stability criteria. *SIAM Journal on Control*, 10(4):608–622, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Davis:1972:SCD

- [Dav72b] Jon H. Davis. Stability conditions derived from spectral theory: Discrete systems with periodic feedback. *SIAM Journal on Control*, 10(1):1–13, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Davis:1973:EOP

- [Dav73] M. H. A. Davis. On the existence of optimal policies in stochastic control. *SIAM Journal on Control*, 11(4):587–594, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Desoer:1972:CFS

- [DC72] C. A. Desoer and F. M. Callier. Convolution feedback systems. *SIAM Journal on Control*, 10(4):737–746, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

deKorvin:1968:ATS

- [de 68] Andre de Korvin. Approximation theorems on some classes of automata. *SIAM Journal on Control*, 6(3):422–436, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

DeJulio:1970:NSD

- [De 70] S. De Julio. Numerical solution of dynamical optimization problems. *SIAM Journal on Control*, 8(2):135–147, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

DeSantis:1974:CSC

- [De 74] Romano M. De Santis. Causality, strict causality and invertibility for systems in Hilbert resolution spaces. *SIAM Journal on Control*, 12(3):536–553, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Demyanov:1968:SSO

- [Dem68] V. F. Dem'yanov. The solution of some optimal control problems. *SIAM Journal on Control*, 6(1):59–72, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

DeSantis:1973:SRC

- [DeS73] Romano M. DeSantis. On state realization and causality decomposition for nonlinear systems. *SIAM Journal on Control*, 11(4):551–562, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

DAlessandro:1973:NAT

- [DIR73] P. D'Alessandro, A. Isidori, and A. Ruberti. A new approach to the theory of canonical decomposition of linear dynamical systems. *SIAM Journal on Control*, 11(1):148–158, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

DAlessandro:1974:RST

- [DIR74] Paolo D'Alessandro, Alberto Isidori, and Antonio Ruberti. Realization and structure theory of bilinear dynamical systems. *SIAM Journal on Control*, 12(3):517–535, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Davison:1970:SSC

- [DK70] E. J. Davison and E. G. Kunze. Some sufficient conditions for the global and local controllability of nonlinear time-varying systems. *SIAM Journal on Control*, 8(4):489–497, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Delfour:1969:RPS

- [DM69] M. C. Delfour and S. K. Mitter. Reachability of perturbed systems and minsup problems. *SIAM Journal on Control*, 7(4):521–533, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Delfour:1972:COI

- [DM72a] M. C. Delfour and S. K. Mitter. Controllability and observability for infinite-dimensional systems. *SIAM Journal on Control*, 10(2):329–333, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Delfour:1972:COO

- [DM72b] M. C. Delfour and S. K. Mitter. Controllability, observability and optimal feedback control of affine hereditary differential systems. *SIAM Journal on Control*, 10(2):298–328, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Delfour:1975:SIT

- [DMM75] M. C. Delfour, C. McCalla, and S. K. Mitter. Stability and the infinite-time quadratic cost problem for linear hereditary differential systems. *SIAM Journal on Control*, 13

(1):48–88, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Dolezal:1973:EDM

- [Dol73] Václav Doležal. Equations describing multidimensional causal systems. *SIAM Journal on Control*, 11(2):306–322, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Dolezal:1974:HN

- [Dol74] Vaclav Dolezal. Hilbert networks. I. *SIAM Journal on Control*, 12(4):755–778, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Dooge:1964:ALS

- [Doo64] James C. I. Dooge. Analysis of linear systems by means of Laguerre functions. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):396–408, 1964. CODEN JSMCAL. ISSN 0887-4603.

Dutkevich:1972:GLL

- [DP72] Yu. G. Dutkevich and L. A. Petrosyan. Games with a “life-line”. The case of l -capture. *SIAM Journal on Control*, 10(1):40–47, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Demyanov:1967:MSC

- [DR67] V. F. Dem’yanov and A. M. Rubinov. The minimization of a smooth convex functional on a convex set. *SIAM Journal on Control*, 5(2):280–294, 1967. CODEN SJCOA9.

ISSN 0036-1402 (print), 2469-4231 (electronic).

Demyanov:1968:MFN

- [DR68] V. F. Dem’yanov and A. M. Rubinov. Minimization of functionals in normed spaces. *SIAM Journal on Control*, 6(1):73–88, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Dreyfus:1964:STO

- [Dre64] Stuart E. Dreyfus. Some types of optimal control of stochastic systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):120–134, 1964. CODEN JSMCAL. ISSN 0887-4603.

Das:1971:OCM

- [DS71] P. C. Das and R. R. Sharma. On optimal controls for measure delay-differential equations. *SIAM Journal on Control*, 9(1):43–61, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Duncan:1971:SSC

- [DV71] Tyrone Duncan and Pravin Varaiya. On the solutions of a stochastic control system. *SIAM Journal on Control*, 9(3):354–371, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Davis:1973:DPC

- [DV73] M. H. A. Davis and P. Varaiya. Dynamic programming conditions for partially observable stochastic systems. *SIAM Journal on Control*, 11(2):226–261, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Duncan:1975:SSC

- [DV75] Tyrone Duncan and Pravin Varaiya. On the solutions of a stochastic control system. II. *SIAM Journal on Control*, 13(5):1077–1092, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Dolezal:1975:HNI

- [DZ75] Vaclav Dolezal and Armen Zemanian. Hilbert networks. II: Some qualitative properties. *SIAM Journal on Control*, 13(1):153–161, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Elliott:1975:NGP

- [EF75] Robert J. Elliott and Avner Friedman. A note on generalized pursuit-evasion games. *SIAM Journal on Control*, 13(1):105–109, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Evans:1974:ETP

- [EG74] J. P. Evans and F. J. Gould. An existence theorem for penalty function theory. *SIAM Journal on Control*, 12(3):509–516, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Egorov:1966:OPD

- [Ego66] A. I. Egorov. Optimal processes in distributed parameter systems and certain problems in invariance theory. *SIAM Journal on Control*, 4(4):601–661, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Egorov:1967:NOC

- [Ego67] A. I. Egorov. Necessary optimality conditions for distributed-parameter systems. *SIAM Journal on Control*, 5(3):352–408, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ewing:1964:OPA

- [EH64] G. M. Ewing and W. R. Haseltine. Optimal programs for an ascending missile. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):66–88, 1964. CODEN JSMCAL. ISSN 0887-4603.

Elliott:1973:SPL

- [EKM73] R. J. Elliott, N. J. Kalton, and L. Markus. Saddle points for linear differential games. *SIAM Journal on Control*, 11(1):100–112, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Eaves:1971:GCP

- [EZ71] B. Curtis Eaves and W. I. Zangwill. Generalized cutting plane algorithms. *SIAM Journal on Control*, 9(4):529–542, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Falk:1969:LMN

- [Fal69] James E. Falk. Lagrange multipliers and nonconvex programs. *SIAM Journal on Control*, 7(4):534–545, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Fattorini:1964:TOC

- [Fat64] H. O. Fattorini. Time-optimal control of solutions of operational differential equations. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1): 54–59, 1964. CODEN JSM-CAL. ISSN 0887-4603.

Fattorini:1966:SRC

- [Fat66] H. O. Fattorini. Some remarks on complete controllability. *SIAM Journal on Control*, 4(4):686–694, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Fattorini:1968:BCS

- [Fat68a] H. O. Fattorini. Boundary control systems. *SIAM Journal on Control*, 6(3):349–385, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Fattorini:1968:RBB

- [Fat68b] H. O. Fattorini. A remark on the “bang–bang” principle for linear control systems in infinite-dimensional space. *SIAM Journal on Control*, 6(1):109–113, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Fattorini:1975:BCT

- [Fat75] H. O. Fattorini. Boundary control of temperature distributions in a parallelepipedon. *SIAM Journal on Control*, 13(1):1–13, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Faure:1972:ECC

- [Fau72] Robert Faure. Sur l’existence et le comportement de cycles de cer-

taines Équations Différentielles non Linéaires (solutions périodiques de systèmes autonomes). *SIAM Journal on Control*, 10(1):169–193, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Falb:1969:GTT

- [FF69] P. L. Falb and M. I. Freedman. A generalized transform theory for causal operators. *SIAM Journal on Control*, 7(3):452–471, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Freedman:1969:NCA

- [FFA69] M. I. Freedman, P. L. Falb, and J. Anton. A note on causality and analyticity. *SIAM Journal on Control*, 7(3):472–478, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Freedman:1969:HSS

- [FFZ69] M. I. Freedman, P. L. Falb, and G. Zames. A Hilbert space stability theory over locally compact Abelian groups. *SIAM Journal on Control*, 7(3):479–495, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Funk:1970:SSC

- [FG70] J. E. Funk and E. G. Gilbert. Some sufficient conditions for optimality in control problems with state space constraints. *SIAM Journal on Control*, 8(4):498–504, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Freedman:1971:TFS

- [FG71] M. I. Freedman and R. Glassey. Tracking via feedback for systems with irrational transfer function. *SIAM Journal on Control*, 9(3):317–338, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Filippov:1962:CQT

- [Fil62] A. F. Filippov. On certain questions in the theory of optimal control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(1):76–84, 1962. CODEN JSMCAL. ISSN 0887-4603.

Filippov:1967:CSD

- [Fil67] A. F. Filippov. Classical solutions of differential equations with multi-valued right-hand side. *SIAM Journal on Control*, 5(4):609–621, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). Translation from the Russian original in *Vestnik Moskov. Univ., Ser. I* **22**, No. 3, 16–26 (1967).

Ford:1968:ISC

- [FJ68] D. A. Ford and C. D. Johnson. Invariant subspaces and the controllability and observability of linear dynamical systems. *SIAM Journal on Control*, 6(4):553–558, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Fleming:1968:OCP

- [Fle68] Wendell H. Fleming. Optimal control of partially observable diffusions. *SIAM Journal on Control*, 6(2):194–214, 1968. CODEN SJCOA9.

ISSN 0036-1402 (print), 2469-4231 (electronic).

Fleming:1971:SCS

- [Fle71] Wendell H. Fleming. Stochastic control for small noise intensities. *SIAM Journal on Control*, 9(3):473–517, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Flynn:1973:LMB

- [Fly73] James O. Flynn. Lion and man: The boundary constraint. *SIAM Journal on Control*, 11(3):397–411, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Flynn:1974:LMG

- [Fly74a] James Flynn. Lion and man: The general case. *SIAM Journal on Control*, 12(4):581–597, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Flynn:1974:SRM

- [Fly74b] James Flynn. Some results on max-min pursuit. *SIAM Journal on Control*, 12(1):53–69, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Formalskii:1967:CRS

- [For67] A. M. Formal'skiĭ. Construction of the region of controllability for systems with bounded-impulse controls. *SIAM Journal on Control*, 5(2):211–221, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Forney:1975:MBR

- [For75] G. David Forney, Jr. Minimal bases of rational vector spaces, with applications to multivariable linear systems. *SIAM Journal on Control*, 13(3):493–520, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Freedman:1968:STV

- [Fre68] M. I. Freedman. L_2 -stability of time-varying systems—construction of multipliers with prescribed phase characteristics. *SIAM Journal on Control*, 6(4):559–578, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Freedman:1972:PFN

- [Fre72] Marvin I. Freedman. Phase function norm estimates for stability of systems with monotone nonlinearities. *SIAM Journal on Control*, 10(1):99–111, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Fabian:1974:GSD

- [FW74] E. Fabian and W. M. Wonham. Generic solvability of the decoupling problem. *SIAM Journal on Control*, 12(4):688–694, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Fujisawa:1967:IPS

- [FY67] Toshio Fujisawa and Yutaka Yasuda. An iterative procedure for solving the time-optimal regulator problem. *SIAM Journal on Control*, 5(4):501–512, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Freedman:1968:LVC

- [FZ68] M. Freedman and G. Zames. Logarithmic variation criteria for the stability of systems with time-varying gains. *SIAM Journal on Control*, 6(3):487–507, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

GalChuk:1969:OCS

- [Gal69] L. I. Gal'Chuk. Optimal control of systems described by parabolic equations. *SIAM Journal on Control*, 7(4):546–558, November 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gambill:1963:GCE

- [Gam63] R. A. Gambill. Generalized curves and the existence of optimal controls. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):246–260, 1963. CODEN JSMCAL. ISSN 0887-4603.

Gamkrelidze:1965:SEP

- [Gam65] R. V. Gamkrelidze. On some extremal problems in the theory of differential equations with applications to the theory of optimal control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):106–128, 1965. CODEN JSMCAL. ISSN 0887-4603.

Garfinkel:1963:SGP

- [Gar63] Boris Garfinkel. A solution of the Goddard problem. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):349–368, 1963. CODEN

JSMCAL. ISSN 0887-4603. See errata [Gar64].

Garfinkel:1964:ESG

- [Gar64] Boris Garfinkel. Errata: A solution of the Goddard problem. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):135, 1964. CODEN JSMCAL. ISSN 0887-4603. See [Gar63].

Gehner:1974:NSO

- [Geh74] Kenneth R. Gehner. Necessary and sufficient optimality conditions for the Fritz John problem with linear equality constraints. *SIAM Journal on Control*, 12(1):140–149, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gilbert:1963:COM

- [Gil63] Elmer G. Gilbert. Controllability and observability in multivariable control systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(2):128–151, 1963. CODEN JSMCAL. ISSN 0887-4603.

Gilbert:1966:IPC

- [Gil66] Elmer G. Gilbert. An iterative procedure for computing the minimum of a quadratic form on a convex set. *SIAM Journal on Control*, 4(1):61–80, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gilbert:1967:NFP

- [Gil67] Elmer G. Gilbert. A note on the fixed-point method of J. E. Rubio.

SIAM Journal on Control, 5(4):513–514, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gilbert:1969:DMS

- [Gil69] Elmer G. Gilbert. The decoupling of multivariable systems by state feedback. *SIAM Journal on Control*, 7(1):50–63, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gindes:1967:OCL

- [Gin67a] V. B. Gindes. Optimal control in a linear system under conflict. *SIAM Journal on Control*, 5(1):163–169, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gindes:1967:POJ

- [Gin67b] V. B. Gindes. A problem of optimal joint control. *SIAM Journal on Control*, 5(2):222–227, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Girsanov:1969:CRB

- [Gir69] I. V. Girsanov. Certain relations between the Bellman and Krotov functions for dynamic programming problems. *SIAM Journal on Control*, 7(1):64–67, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gabasov:1972:HON

- [GK72] R. Gabasov and F. M. Kirillova. High order necessary conditions for optimality. *SIAM Journal on Control*, 10(1):127–168, 1972. CO-

DEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gamkrelidze:1974:DGE

- [GK74] R. V. Gamkrelidze and G. L. Kharatishvili. A differential game of evasion with nonlinear control. *SIAM Journal on Control*, 12(2): 332–349, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Glover:1969:IPF

- [Glo69] Fred Glover. Integer programming over a finite additive group. *SIAM Journal on Control*, 7(2):213–231, ??? 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Goh:1966:NCS

- [Goh66a] B. S. Goh. Necessary conditions for singular extremals involving multiple control variables. *SIAM Journal on Control*, 4(4):716–731, ??? 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Goh:1966:SVS

- [Goh66b] B. S. Goh. The second variation for the singular Bolza problem. *SIAM Journal on Control*, 4(2):309–325, ??? 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Goldstein:1965:CPO

- [Gol65a] A. A. Goldstein. Convex programming and optimal control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):142–146, ??? 1965. CODEN JSMCAL. ISSN 0887-4603.

Goldstein:1965:SD

- [Gol65b] A. A. Goldstein. On steepest descent. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):147–151, ??? 1965. CODEN JSMCAL. ISSN 0887-4603.

Goldstein:1966:MFN

- [Gol66] A. A. Goldstein. Minimizing functionals on normed-linear spaces. *SIAM Journal on Control*, 4(1):81–89, ??? 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gordon:1972:CST

- [Gor72a] S. P. Gordon. On converses to the stability theorems for difference equations. *SIAM Journal on Control*, 10(1):76–81, ??? 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gordon:1972:STP

- [Gor72b] S. P. Gordon. A stability theory for perturbed difference equations. *SIAM Journal on Control*, 10(4): 671–678, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Grigoriadis:1969:PMS

- [GR69] M. D. Grigoriadis and K. Ritter. A parametric method for semidefinite quadratic programs. *SIAM Journal on Control*, 7(4):559–577, November 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Graham:1975:BVC

- [GR75] Keith D. Graham and David L. Russell. Boundary value control of the

wave equation in a spherical region. *SIAM Journal on Control*, 13(1):174–196, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Grimmell:1967:EPC

- [Gri67] W. C. Grimmell. The existence of piecewise continuous fuel optimal controls. *SIAM Journal on Control*, 5(4):515–519, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ginsburg:1966:FTP

- [GS66] Seymour Ginsburg and Edwin H. Spanier. Finite-turn pushdown automata. *SIAM Journal on Control*, 4(3):429–453, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Goldwyn:1967:TOC

- [GSG67] R. M. Goldwyn, K. P. Sriram, and M. Graham. Time optimal control of a linear diffusion process. *SIAM Journal on Control*, 5(2):295–308, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Goldstein:1973:KES

- [GT73] A. A. Goldstein and R. A. Tapia. Kantorovich estimates for some convex programs. *SIAM Journal on Control*, 11(2):375–377, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Guinn:1965:PBS

- [Gui65a] T. Guinn. The problem of bounded space coordinates as a problem of Hestenes. *Journal of the Society for*

Industrial and Applied Mathematics. Series A, On control, 3(2):181–190, 1965. CODEN JSMCAL. ISSN 0887-4603.

Guinn:1965:WHV

- [Gui65b] T. Guinn. Weakened hypotheses for the variational problem considered by Hestenes. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):418–423, 1965. CODEN JSMCAL. ISSN 0887-4603.

Guignard:1969:GKT

- [Gui69] Monique Guignard. Generalized Kuhn–Tucker conditions for mathematical programming problems in a Banach space. *SIAM Journal on Control*, 7(2):232–241, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Gurley:1964:OTT

- [Gur64] Joseph G. Gurley. Optimal-thrust trajectories in an arbitrary gravitational field. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):423–432, 1964. CODEN JSMCAL. ISSN 0887-4603.

Haas:1975:NCP

- [Haa75] Violet B. Haas. On normality and conjugate point criteria for singular extremals. *SIAM Journal on Control*, 13(6):1172–1182, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Hack:1973:ECR

- [Hac73] Thomas G. Hack. Extensions of the concept of regular synthesis as

a sufficient condition for optimality. *SIAM Journal on Control*, 11 (2):358–374, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Haddad:1973:CBI

- [Had73] Emile K. Haddad. A criterion for the bounded-input, bounded-output stability of time-varying nonlinear systems. *SIAM Journal on Control*, 11 (2):286–305, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Hajek:1971:GTT

- [Háj71] Otomar Hájek. Geometric theory of time-optimal control. *SIAM Journal on Control*, 9(3):339–350, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Halkin:1964:GLB

- [Hal64] Hubert Halkin. A generalization of LaSalle’s “bang–bang” principle. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):199–202, 1964. CODEN JSMCAL. ISSN 0887-4603.

Halkin:1966:MPP

- [Hal66] Hubert Halkin. A maximum principle of the Pontryagin type for systems described by nonlinear difference equations. *SIAM Journal on Control*, 4(1):90–111, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Halanay:1968:DGD

- [Hal68a] A. Halanay. Differential games with delay. *SIAM Journal on Control*, 6 (4):579–593, 1968. CODEN

SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Halanay:1968:OCS

- [Hal68b] A. Halanay. Optimal controls for systems with time lag. *SIAM Journal on Control*, 6(2):215–234, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Hal71].

Halanay:1971:EOC

- [Hal71] A. Halanay. Erratum: “Optimal controls for systems with time lag”. *SIAM Journal on Control*, 9(1):142, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Hal68b].

Halkin:1974:IFO

- [Hal74] Hubert Halkin. Implicit functions and optimization problems without continuous differentiability of the data. *SIAM Journal on Control*, 12(2):229–236, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Harvey:1964:MFR

- [Har64] C. A. Harvey. Modes of finite response time control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2 (1):60–65, 1964. CODEN JSMCAL. ISSN 0887-4603.

Haseltine:1968:EST

- [Has68] W. R. Haseltine. Existence and stability theorems for exterior ballistics. *SIAM Journal on Control*, 6(3):386–400, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Haussmann:1971:OSC

- [Hau71] U. G. Haussmann. Optimal stationary control with state control dependent noise. *SIAM Journal on Control*, 9(2):184–198, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Haussmann:1973:SLS

- [Hau73a] U. G. Haussmann. Stability of linear systems with control dependent noise. *SIAM Journal on Control*, 11(2):382–394, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Hautus:1973:NCM

- [Hau73b] M. L. J. Hautus. Necessary conditions for multiple constraint optimization problems. *SIAM Journal on Control*, 11(4):653–669, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Haussmann:1974:EMS

- [Hau74] U. G. Haussmann. On the existence of moments of stationary linear systems with multiplicative noise. *SIAM Journal on Control*, 12(1):99–105, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Haynes:1966:OTS

- [Hay66] George W. Haynes. On the optimality of a totally singular vector control: an extension of the Green's theorem approach to higher dimensions. *SIAM Journal on Control*, 4(4):662–677, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ho:1963:COC

- [HB63] Yu-Chi Ho and Piero B. Brentani. On computing optimal control with inequality constraints. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):319–348, 1963. CODEN JSMCAL. ISSN 0887-4603.

Hermes:1964:CSP

- [Her64] H. Hermes. Controllability and the singular problem. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):241–260, 1964. CODEN JSMCAL. ISSN 0887-4603.

Hermes:1967:CCA

- [Her67] H. Hermes. On the closure and convexity of attainable sets in finite and infinite dimensions. *SIAM Journal on Control*, 5(3):409–417, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See errata [Her68].

Hermes:1968:ECC

- [Her68] H. Hermes. Errata: On the closure and convexity of attainable sets in finite and infinite dimensions. *SIAM Journal on Control*, 6(4):594–595, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Her67].

Hermes:1972:GTO

- [Her72] Henry Hermes. The geometry of time-optimal control. *SIAM Journal on Control*, 10(2):221–229, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

- Hermes:1974:LGC**
- [Her74] H. Hermes. On local and global controllability. *SIAM Journal on Control*, 12(2):252–261, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Hestenes:1965:VTO**
- [Hes65] Magnus R. Hestenes. On variational theory and optimal control theory. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):23–48, 1965. CODEN JSMCAL. ISSN 0887-4603.
- Hewer:1975:PDM**
- [Hew75] G. A. Hewer. Periodicity, detectability and the matrix Riccati equation. *SIAM Journal on Control*, 13(6):1235–1251, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Heymann:1972:PSL**
- [Hey72] Michael Heymann. The prime structure of linear dynamical systems. *SIAM Journal on Control*, 10(3):460–469, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Hermes:1963:NCP**
- [HH63] H. Hermes and G. Haynes. On the nonlinear control problem with control appearing linearly. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(2):85–108, 1963. CODEN JSMCAL. ISSN 0887-4603.
- Holtzman:1966:DCM**
- [HH66] J. M. Holtzman and H. Halkin. Discretional convexity and the maximum principle for discrete systems. *SIAM Journal on Control*, 4(2):263–275, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Haynes:1970:NCL**
- [HH70] G. W. Haynes and H. Hermes. Nonlinear controllability via Lie theory. *SIAM Journal on Control*, 8(4):450–460, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Ho:1966:CIP**
- [HK66] Yu-Chi Ho and R. L. Kashyap. A class of iterative procedures for linear inequalities. *SIAM Journal on Control*, 4(1):112–115, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Ho:1966:OTM**
- [Ho66] Yu-Chi Ho. Optimal terminal maneuver and evasion strategy. *SIAM Journal on Control*, 4(3):421–428, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Hautus:1973:UTL**
- [HO73] M. L. J. Hautus and G. J. Olsder. A uniqueness theorem for linear control systems with coinciding reachable sets. *SIAM Journal on Control*, 11(3):412–416, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- Hofri:1975:SSD**
- [Hof75] Micha Hofri. Stochastic scheduling design in multiserver systems. *SIAM Journal on Control*, 13(3):736–748,

May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Holtzman:1968:ASL

- [Hol68] J. M. Holtzman. Analysis of statistical linearization of nonlinear control systems. *SIAM Journal on Control*, 6(2):235–243, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Holland:1974:SNO

- [Hol74] Charles J. Holland. Small noise open loop control. *SIAM Journal on Control*, 12(3):380–388, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Holland:1975:GOL

- [Hol75] Charles J. Holland. Gaussian open loop control problems. *SIAM Journal on Control*, 13(3):545–551, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Howe:1973:NCE

- [How73] Stephen Howe. New conditions for exactness of a simple penalty function. *SIAM Journal on Control*, 11(2):378–381, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Heymann:1970:TEL

- [HT70] Michael Heymann and John A. Thorpe. Transfer equivalence of linear dynamical systems. *SIAM Journal on Control*, 8(1):19–40, February 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Huang:1972:OCP

- [Hua72] Sheng-Chao Huang. Optimal control problems with a system of integral equations and restricted phase coordinates. *SIAM Journal on Control*, 10(1):14–36, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ikeda:1972:SLS

- [IMK72] Masao Ikeda, Hajime Maeda, and Shinzo Kodama. Stabilization of linear systems. *SIAM Journal on Control*, 10(4):716–729, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ikeda:1975:EFL

- [IMK75] Masao Ikeda, Hajime Maeda, and Shinzo Kodama. Estimation and feedback in linear time-varying systems: a deterministic theory. *SIAM Journal on Control*, 13(2):304–326, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ikeda:1975:CSP

- [IS75] Mineo Ikeda and Kentaro Sakamoto. On the concept of symmetry in Pontryagin's maximum principle. *SIAM Journal on Control*, 13(2):389–399, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Inaba:1975:GRP

- [IT75] Hiroshi Inaba and Byron D. Tapley. Generalized random processes: a theory and the white Gaussian process. *SIAM Journal on Control*, 13(3):719–735, May 1975. CODEN

SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jacobs:1967:RSR

- [Jac67a] Marc Q. Jacobs. Remarks on some recent extensions of Filippov's implicit functions lemma. *SIAM Journal on Control*, 5(4):622–627, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jacobs:1967:SET

- [Jac67b] Marc Q. Jacobs. Some existence theorems for linear optimal control problems. *SIAM Journal on Control*, 5(3):418–437, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jacobs:1969:AIM

- [Jac69a] Marc Q. Jacobs. On the approximation of integrals of multivalued functions. *SIAM Journal on Control*, 7(1):158–177, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jacobson:1969:NNC

- [Jac69b] D. H. Jacobson. A new necessary condition of optimality for singular control problems. *SIAM Journal on Control*, 7(4):578–595, November 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jacobson:1970:SCN

- [Jac70] D. H. Jacobson. Sufficient conditions for nonnegativity of the second variation in singular and nonsingular control problems. *SIAM Journal on Control*, 8(3):403–423, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jameson:1973:IPL

- [JK73] Antony Jameson and Eliezer Kreindler. Inverse problem of linear optimal control. *SIAM Journal on Control*, 11(1):1–19 (or 1–9??), 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jones:1970:GMB

- [JM70] Arnold P. Jones and Garth P. McCormick. A generalization of the method of Balakrishnan. inequality constraints and initial conditions. *SIAM Journal on Control*, 8(2):218–225, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Johnson:1973:MET

- [Joh73] Timothy L. Johnson. Minimum-energy terminal state control of first order linear hyperbolic systems in one spatial variable using the method of characteristics. *SIAM Journal on Control*, 11(1):119–129, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jordan:1964:OCA

- [JP64] B. W. Jordan and E. Polak. Optimal control of aperiodic discrete-time systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):332–346, 1964. CODEN JSM-CAL. ISSN 0887-4603.

Jurdjevic:1970:ACS

- [Jur70] Velimir Jurdjevic. Abstract control systems. controllability and observability. *SIAM Journal on Control*, 8

(3):424–439, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Jurdjevic:1972:CCP

- [Jur72] Velimir Jurdjevic. Certain controllability properties of analytic control systems. *SIAM Journal on Control*, 10(2):354–360, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kailath:1969:ARI

- [Kai69] Thomas Kailath. Application of a resolvent identity to a linear smoothing problem. *SIAM Journal on Control*, 7(1):68–74, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kailath:1972:NLS

- [Kai72] Thomas Kailath. A note on least squares estimation by the innovations method. *SIAM Journal on Control*, 10(3):477–486, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kakumanu:1972:NCT

- [Kak72] Prasad Rao Kakumanu. Nondiscounted continuous time Markovian decision process with countable state space. *SIAM Journal on Control*, 10(1):210–220, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kalman:1963:MDL

- [Kal63] R. E. Kalman. Mathematical description of linear dynamical systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(2):152–192,

1963. CODEN JSMCAL. ISSN 0887-4603.

Kushner:1970:CLF

- [KB70] Harold J. Kushner and Daniel I. Barnea. On the control of a linear functional-differential equation with quadratic cost. *SIAM Journal on Control*, 8(2):257–272, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Karush:1966:OPS

- [KD66] W. Karush and R. E. Dear. An optimal procedure for an N -stage learning process. *SIAM Journal on Control*, 4(1):116–129, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kelley:1964:TAS

- [Kel64] Henry J. Kelley. A transformation approach to singular subarcs in optimal trajectory and control problems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):234–240, 1964. CODEN JSMCAL. ISSN 0887-4603.

Krasnakevich:1969:GPC

- [KH69] J. R. Krasnakevich and R. A. Haddad. Generalized prediction-correction estimation. *SIAM Journal on Control*, 7(3):496–511, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See comments [Wei77].

Kirillova:1963:CFO

- [Kir63] F. M. Kirillova. On the correctness of the formulation of an optimal control problem. *Journal of the Society for Industrial and Applied Mathematics.*

Series A, On control, 1(2):224–239, ??? 1963. CODEN JSMCAL. ISSN 0887-4603.

Kirillova:1967:AF

- [Kir67] F. M. Kirillova. Applications of functional analysis to the theory of optimal processes. *SIAM Journal on Control*, 5(1):25–50, ??? 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Klessig:1974:GTC

- [Kle74] R. Klessig. General theory of convergence for constrained optimization algorithms that use antizigzagging provisions. *SIAM Journal on Control*, 12(4):598–608, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Knowles:1975:LVM

- [Kno75] Gregory Knowles. Lyapunov vector measures. *SIAM Journal on Control*, 13(2):294–303, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kall:1975:MTS

- [KO75] P. Kall and W. Oettli. Measurability theorems for stochastic extremals. *SIAM Journal on Control*, 13(5):994–998, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Komkov:1968:OCT

- [Kom68] V. Komkov. The optimal control of a transverse vibration of a beam. *SIAM Journal on Control*, 6(3):401–421, ??? 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Komkov:1970:OCV

- [Kom70] Vadim Komkov. Optimal control of vibrating thin plates. *SIAM Journal on Control*, 8(2):273–304, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Klessig:1972:EIP

- [KP72] R. Klessig and E. Polak. Efficient implementations of the Polak–Ribière conjugate gradient algorithm. *SIAM Journal on Control*, 10(3):524–549, ??? 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Klessig:1973:APG

- [KP73] R. Klessig and E. Polak. An adaptive precision gradient method for optimal control. *SIAM Journal on Control*, 11(1):80–93, ??? 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kirchgässner:1966:SPN

- [KR66] K. Kirchgässner and K. Ritter. On stationary points of nonlinear maximum-problems in Banach spaces. *SIAM Journal on Control*, 4(4):732–739, ??? 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Krall:1964:ATL

- [Kra64a] Allan M. Krall. The asymptotes of the time lag root-locus. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):370–372, ??? 1964. CODEN JSMCAL. ISSN 0887-4603.

Krall:1964:SCF

- [Kra64b] Allan M. Krall. Stability criteria for feedback systems with a time lag. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):160–170, 1964. CODEN JSMCAL. ISSN 0887-4603.

Kreindler:1969:SCL

- [Kre69] Eliezer Kreindler. On sensitivity of closed loop nonlinear optimal control systems. *SIAM Journal on Control*, 7(3):512–520, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Krener:1973:ECS

- [Kre73] Arthur J. Krener. On the equivalence of control systems and the linearization of nonlinear systems. *SIAM Journal on Control*, 11(4):670–676, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Krener:1974:GCT

- [Kre74] Arthur J. Krener. A generalization of Chow's theorem and the bang–bang theorem to nonlinear control problems. *SIAM Journal on Control*, 12(1):43–52, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Krener:1975:BNR

- [Kre75] Arthur J. Krener. Bilinear and nonlinear realizations of input-output maps. *SIAM Journal on Control*, 13(4):827–834, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Krolak:1968:FEF

- [Kro68] Patrick D. Krolak. Further extensions of Fibonacci search to nonlinear programming problems. *SIAM Journal on Control*, 6(2):258–265, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kullback:1966:ITD

- [Kul66] S. Kullback. An information-theoretic derivation of certain limit relations for a stationary Markov chain. *SIAM Journal on Control*, 4(3):454–459, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kullback:1967:EIT

- [Kul67] S. Kullback. An extension of an information-theoretic derivation of certain limit relations for a Markov chain. *SIAM Journal on Control*, 5(1):51–53, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kunzi:1966:DMN

- [Kün66] H. P. Kunzi. The duoplex method in nonlinear programming. *SIAM Journal on Control*, 4(1):130–138, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kushner:1964:DES

- [Kus64] Harold J. Kushner. On the differential equations satisfied by conditional probability densities of Markov processes, with applications. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):106–119, 1964. CODEN JSMCAL. ISSN 0887-4603.

Kushner:1965:EOS

- [Kus65a] Harold J. Kushner. On the existence of optimal stochastic controls. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):463–474, 1965. CODEN JSMCAL. ISSN 0887-4603.

Kushner:1965:SCO

- [Kus65b] Harold J. Kushner. Sufficient conditions for the optimality of a stochastic control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):499–508, 1965. CODEN JSMCAL. ISSN 0887-4603.

Kushner:1967:CTS

- [Kus67a] H. Kushner. Converse theorems for stochastic Liapunov functions. *SIAM Journal on Control*, 5(2):228–233, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kushner:1967:ODS

- [Kus67b] H. J. Kushner. Optimal discounted stochastic control for diffusion processes. *SIAM Journal on Control*, 5(4):520–531, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kushner:1968:OCS

- [Kus68] H. J. Kushner. On the optimal control of a system governed by a linear parabolic equation with white noise inputs. *SIAM Journal on Control*, 6(4):596–614, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kushner:1970:FLD

- [Kus70] Harold J. Kushner. Filtering for linear distributed parameter systems. *SIAM Journal on Control*, 8(3):346–359, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kushner:1972:NCC

- [Kus72] H. J. Kushner. Necessary conditions for continuous parameter stochastic optimization problems. *SIAM Journal on Control*, 10(3):550–565, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Kwakernaak:1975:PLD

- [Kwa75] Huibert Kwakernaak. Periodic linear differential stochastic processes. *SIAM Journal on Control*, 13(2):400–413, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

LaSalle:1962:SC

- [LaS62] J. P. LaSalle. Stability and control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(1):3–15, 1962. CODEN JSMCAL. ISSN 0887-4603.

Lee:1972:CDT

- [LCB72] Kwang Yun Lee, Shui-Nee Chow, and Robert O. Barr. On the control of discrete-time distributed parameter systems. *SIAM Journal on Control*, 10(2):361–376, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lee:1963:SCT

- [Lee63] E. B. Lee. A sufficient condition in the theory of optimal control. *Jour-*

nal of the Society for Industrial and Applied Mathematics. Series A, On control, 1(3):241–245, 1963. CODEN JSMCAL. ISSN 0887-4603.

Lefschetz:1965:LSC

- [Lef65] Solomon Lefschetz. Liapunov stability and controls. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):1–6, 1965. CODEN JSMCAL. ISSN 0887-4603.

Lehnigk:1967:LDM

- [Leh67] Siegfried H. Lehnigk. Liapunov's direct method and the number of zeros with positive real parts of a polynomial with constant complex coefficients. *SIAM Journal on Control*, 5(2):234–244, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Leitmann:1965:SGA

- [Lei65] G. Leitmann. Some geometrical aspects of optimal processes. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):53–65, 1965. CODEN JSMCAL. ISSN 0887-4603.

Lellouche:1970:FCO

- [Lel70] Gerald S. Lellouche. A frequency criterion for oscillatory solutions. *SIAM Journal on Control*, 8(2):202–206, May 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lee:1969:DMS

- [LH69] Muo S. Lee and C. S. Hsu. On the τ -decomposition method of stability analysis for retarded dynamical systems. *SIAM Journal on Control*,

7(2):242–259, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lindquist:1973:FCL

- [Lin73] Anders Lindquist. On feedback control of linear stochastic systems. *SIAM Journal on Control*, 11(2):323–343, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lindquist:1974:NAO

- [Lin74a] Anders Lindquist. New algorithm for optimal filtering of discrete-time stationary processes. *SIAM Journal on Control*, 12(4):736–746, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lindquist:1974:OFC

- [Lin74b] Anders Lindquist. Optimal filtering of continuous-time stationary processes by means of the backward innovation process. *SIAM Journal on Control*, 12(4):747–754, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Liu:1966:EEC

- [LL66] Ruey-Wen Liu and R. Jeffrey Leake. Exhaustive equivalence classes of optimal systems with separable controls. *SIAM Journal on Control*, 4(4):678–685, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lo:1975:GBS

- [Lo75] James Ting-Ho Lo. Global bilinearization of systems with control

appearing linearly. *SIAM Journal on Control*, 13(4):879–885, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lobry:1970:CSN

- [Lob70] Claude Lobry. Contrôlabilité des systèmes non linéaires. (French) [Controllability of nonlinear systems]. *SIAM Journal on Control*, 8(4):573–605, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Lob76].

Lobry:1974:CNS

- [Lob74] C. Lobry. Controllability of nonlinear systems on compact manifolds. *SIAM Journal on Control*, 12(1):1–4, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lobry:1976:ECS

- [Lob76] C. Lobry. Erratum: Contrôlabilité des systèmes non linéaires. (French) [Erratum: Controllability of nonlinear systems]. *SIAM Journal on Control and Optimization*, 14(2):387, February 1976. CODEN SJCODC. ISSN 0363-0129 (print), 1095-7138 (electronic). See [Lob70].

Loridan:1973:POUa

- [Lor73a] Pierre Loridan. Sur un procédé d’optimisation utilisant simultanément les méthodes de pénalisation et des variations locales. I. *SIAM Journal on Control*, 11(1):159–172, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Loridan:1973:POUb

- [Lor73b] Pierre Loridan. Sur un procédé d’optimization utilisant simultanément les méthodes de pénalisation et des variations locales. II. (French) [On an optimization procedure using simultaneously penalty and local variation methods]. *SIAM Journal on Control*, 11(1):173–184, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lukes:1969:QCD

- [LR69] D. L. Lukes and D. L. Russell. The quadratic criterion for distributed systems. *SIAM Journal on Control*, 7(1):101–121, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Levitt:1975:CMT

- [LS75] Norman Levitt and Héctor J. Sussmann. On controllability by means of two vector fields. *SIAM Journal on Control*, 13(6):1271–1281, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lukes:1969:ORN

- [Luk69] D. L. Lukes. Optimal regulation of nonlinear dynamical systems. *SIAM Journal on Control*, 7(1):75–100, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lukes:1971:EFC

- [Luk71] D. L. Lukes. Equilibrium feedback control in linear games with quadratic costs. *SIAM Journal on Control*, 9(2):234–252, 1971.

CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Luk72a].

Lukes:1972:EEF

- [Luk72a] D. L. Lukes. Erratum: Equilibrium feedback control in linear games with quadratic costs. *SIAM Journal on Control*, 10(3):566, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Luk71].

Lukes:1972:GCN

- [Luk72b] D. L. Lukes. Global controllability of nonlinear systems. *SIAM Journal on Control*, 10(1):112–126, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Luk73].

Lukes:1973:EGC

- [Luk73] D. L. Lukes. Erratum: “Global controllability of nonlinear systems” (SIAM J. Control **10** (1972), 112–126). *SIAM Journal on Control*, 11(1):186, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Luk72b].

Lukes:1974:GCD

- [Luk74] D. L. Lukes. Global controllability of disturbed nonlinear equations. *SIAM Journal on Control*, 12(4):695–704, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Lo:1975:SCR

- [LW75] James Ting Ho Lo and Alan S. Willsky. Stochastic control of rotational processes with one degree of freedom. *SIAM Journal on Control*,

13(4):886–898, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Leake:1967:CSC

- [LwL67] R. J. Leake and Ruey wen Liu. Construction of suboptimal control sequences. *SIAM Journal on Control*, 5(1):54–63, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Martinet:1974:MDP

- [MA74] B. Martinet and A. Auslender. Méthodes de décomposition pour la minimisation d’une fonction sur un espace produit (French) [Decomposition methods for function minimization in a product space]. *SIAM Journal on Control*, 12(4):635–642, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Maeda:1973:SCV

- [Mae73] Hajime Maeda. Stability considerations for a Volterra integral equation with discontinuous nonlinearity. *SIAM Journal on Control*, 11(2):202–214, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Malanowski:1969:OCV

- [Mal69] Kazimierz Malanowski. On optimal control of the vibrating string. *SIAM Journal on Control*, 7(2):260–271, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mangasarian:1963:SCN

- [Man63] O. L. Mangasarian. Stability criteria for nonlinear ordinary differential equations. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):311–318, 1963. CODEN JSMCAL. ISSN 0887-4603.

Mangasarian:1965:PCF

- [Man65] O. L. Mangasarian. Pseudo-convex functions. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):281–290, 1965. CODEN JSMCAL. ISSN 0887-4603.

Mangasarian:1966:SCO

- [Man66] O. L. Mangasarian. Sufficient conditions for the optimal control of nonlinear systems. *SIAM Journal on Control*, 4(1):139–152, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mangasarian:1975:ULN

- [Man75] O. L. Mangasarian. Unconstrained Lagrangians in nonlinear programming. *SIAM Journal on Control*, 13(4):772–791, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Markus:1965:CNP

- [Mar65] Lawrence Markus. Controllability of nonlinear processes. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):78–90, 1965. CODEN JSMCAL. ISSN 0887-4603.

Maurer:1975:ECJ

- [Mau75] Helmut Maurer. Example of a continuous junction for a singular control problem of even order. *SIAM Journal on Control*, 13(4):899–903, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

McKnight:1973:RGP

- [MB73] R. S. McKnight and W. E. Bosarge, Jr. The Ritz–Galerkin procedure for parabolic control problems. *SIAM Journal on Control*, 11(3):510–524, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

McCormick:1975:AMN

- [McC75] Garth P. McCormick. An arc method for nonlinear programming. *SIAM Journal on Control*, 13(6):1194–1216, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

McGill:1965:OCI

- [McG65] Robert McGill. Optimum control, inequality state constraints, and the generalized Newton–Raphson algorithm. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):291–298, 1965. CODEN JSMCAL. ISSN 0887-4603.

McMillan:1962:I

- [McM62] Brockway McMillan. Introduction. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(1):1–2, 1962. CODEN JSMCAL. ISSN 0887-4603.

McShane:1967:RCV

- [McS67] E. J. McShane. Relaxed controls and variational problems. *SIAM Journal on Control*, 5(3):438–485, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mitchell:1974:FPP

- [MDM74] B. F. Mitchell, V. F. Dem'yanov, and V. N. Malozemov. Finding the point of a polyhedron closest to the origin. *SIAM Journal on Control*, 12(1):19–26, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Meditch:1967:OPD

- [Med67] James S. Meditch. Orthogonal projection and discrete optimal linear smoothing. *SIAM Journal on Control*, 5(1):74–89, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Merriam:1964:AIS

- [Mer64] C. W. Merriam III. An algorithm for the iterative solution of a class of two-point boundary value problems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):1–10, 1964. CODEN JSMCAL. ISSN 0887-4603.

Meyer:1965:ELF

- [Mey65] K. R. Meyer. On the existence of Lyapunov function for the problem of Lur'e. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):373–383, 1965. CODEN JSMCAL. ISSN 0887-4603.

Meyer:1970:FTC

- [Mey70a] Gunter H. Meyer. On fixed time control problems in a Banach space. *SIAM Journal on Control*, 8(3):383–395, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Meyer:1970:VFO

- [Mey70b] Robert Meyer. The validity of a family of optimization methods. *SIAM Journal on Control*, 8(1):41–54, February 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Meyer:1973:DMF

- [Mey73] Gerard G. L. Meyer. A drivable method of feasible directions. *SIAM Journal on Control*, 11(1):113–118, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Meyer:1974:AFW

- [Mey74] Gerard G. L. Meyer. Accelerated Frank–Wolfe algorithms. *SIAM Journal on Control*, 12(4):655–663, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mitter:1971:CPA

- [MF71] S. K. Mitter and R. Foulkes. Controllability and pole assignment for discrete time linear systems defined over arbitrary fields. *SIAM Journal on Control*, 9(1):1–7, February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mond:1968:DCP

- [MH68] Bertram Mond and Morgan Hanson. Duality for control problems. *SIAM Journal on Control*, 6(1):114–120, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Michel:1974:SAI

- [Mic74] Anthony N. Michel. Stability analysis of interconnected systems. *SIAM Journal on Control*, 12(3):554–579, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Miele:1965:EPA

- [Mie65] Angelo Miele. Extremal problems in aerodynamics. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):129–141, 1965. CODEN JSMCAL. ISSN 0887-4603.

Miller:1968:FSC

- [Mil68] Bruce L. Miller. Finite state continuous time Markov decision processes with a finite planning horizon. *SIAM Journal on Control*, 6(2):266–280, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Miller:1972:SDE

- [Mil72] John J. H. Miller. On the stability of differential equations. *SIAM Journal on Control*, 10(4):639–648, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mirica:1969:ASO

- [Mir69] Stefan Miričá. On the admissible synthesis in optimal control theory

and differential games. *SIAM Journal on Control*, 7(2):292–316, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mishchenko:1965:CPP

- [Mis65] E. F. Mishchenko. On a certain problem for parabolic differential equations connected with optimal pursuit. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):66–70, 1965. CODEN JSMCAL. ISSN 0887-4603.

Mishchenko:1974:PEE

- [Mis74] E. F. Mishchenko. On the problem of evading the encounter in differential games. *SIAM Journal on Control*, 12(2):300–310, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Minamide:1972:LBP

- [MN72] N. Minamide and K. Nakamura. Linear bounded phase coordinate control problems under certain regularity and normality conditions. *SIAM Journal on Control*, 10(1):82–92, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Makowski:1974:OCP

- [MN74] Karol Makowski and Lucien W. Neustadt. Optimal control problems with mixed control-phase variable equality and inequality constraints. *SIAM Journal on Control*, 12(2):184–228, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Molinari:1973:ERA

- [Mol73a] B. P. Molinari. Equivalence relations for the algebraic Riccati equation. *SIAM Journal on Control*, 11(2):272–285, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Molinari:1973:SSA

- [Mol73b] B. P. Molinari. The stabilizing solution of the algebraic Riccati equation. *SIAM Journal on Control*, 11(2):262–271, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Molinari:1975:NQF

- [Mol75] B. P. Molinari. Nonnegativity of a quadratic functional. *SIAM Journal on Control*, 13(4):792–806, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Moreau:1966:QPM

- [Mor66] J. J. Moreau. Quadratic programming in mechanics: Dynamics of one-sided constraints. *SIAM Journal on Control*, 4(1):153–158, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Morse:1971:OCS

- [Mor71] A. S. Morse. Output controllability and system synthesis. *SIAM Journal on Control*, 9(2):143–148, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Morse:1973:SIL

- [Mor73] A. S. Morse. Structural invariants of linear multivariable systems. *SIAM Journal on Control*, 11(3):446–465,

1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Moyer:1973:SCS

- [Moy73] H. Gardner Moyer. Sufficient conditions for a strong minimum in singular control problems. *SIAM Journal on Control*, 11(4):620–636, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Messerli:1969:SON

- [MP69] E. J. Messerli and E. Polak. On second order necessary conditions of optimality. *SIAM Journal on Control*, 7(2):272–291, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

McDanell:1971:NCJ

- [MP71a] J. P. McDanell and W. F. Powers. Necessary conditions joining optimal singular and nonsingular subarcs. *SIAM Journal on Control*, 9(2):161–173, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Meyer:1971:AMS

- [MP71b] Gerard G. L. Meyer and E. Polak. Abstract models for the synthesis of optimization algorithms. *SIAM Journal on Control*, 9(4):547–560, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Mangasarian:1971:DSM

- [MS71] O. L. Mangasarian and L. L. Schumaker. Discrete splines via mathematical programming. *SIAM Journal on Control*, 9(2):174–183, 1971.

1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Morse:1973:SII

- [MS73] A. S. Morse and L. M. Silverman. Structure of index-invariant systems. *SIAM Journal on Control*, 11(2): 215–225, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Moore:1975:ECM

- [MS75] John B. Moore and S. Sankar Sengupta. Existence and control of Markov chains in systems of deterministic motion. *SIAM Journal on Control*, 13(5):1103–1114, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

McCormick:1972:GPM

- [MT72] G. P. McCormick and R. A. Tapia. The gradient projection method under mild differentiability conditions. *SIAM Journal on Control*, 10(1):93–98, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Murty:1969:TTS

- [Mur69] Katta G. Murty. On the tours of a traveling salesman. *SIAM Journal on Control*, 7(1):122–131, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Murphy:1974:CEP

- [Mur74] Frederic H. Murphy. A class of exponential penalty functions. *SIAM Journal on Control*, 12(4):679–687, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Morse:1970:DPA

- [MW70] A. S. Morse and W. M. Wonham. Decoupling and pole assignment by dynamic compensation. *SIAM Journal on Control*, 8(3):317–337, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Narendra:1968:SAN

- [NC68] Kumpati S. Narendra and Yo-Sung Cho. Stability analysis of nonlinear and time-varying discrete systems. *SIAM Journal on Control*, 6(4):625–646, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Neustadt:1962:MEC

- [Neu62] Lucien W. Neustadt. Minimum effort control systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(1):16–31, 1962. CODEN JSMCAL. ISSN 0887-4603.

Neustadt:1964:OMP

- [Neu64] Lucien W. Neustadt. Optimization, a moment problem, and nonlinear programming. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1): 33–53, 1964. CODEN JSMCAL. ISSN 0887-4603.

Neustadt:1965:GTM

- [Neu65] Lucien W. Neustadt. A general theory of minimum-fuel space trajectories. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):317–356, 1965. CODEN JSMCAL. ISSN 0887-4603.

- [Neu66] Lucien W. Neustadt. An abstract variational theory with applications to a broad class of optimization problems. I. General theory. *SIAM Journal on Control*, 4(3):505–527, ??? 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- [Neu67] Lucien W. Neustadt. An abstract variational theory with applications to a broad class of optimization problems. II. Applications. *SIAM Journal on Control*, 5(1):90–137, ??? 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- [Nis67] Togo Nishiura. On an existence theorem for optimal control. *SIAM Journal on Control*, 5(4):532–544, ??? 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- [NN66] Kumpati S. Narendra and Charles P. Neuman. Stability of a class of differential equations with a single monotone nonlinearity. *SIAM Journal on Control*, 4(2):295–308, ??? 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- [Nol75] E. Noldus. Instability criteria for time-varying nonlinear functional differential systems. *SIAM Journal on Control*, 13(2):420–433, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- [Nor67] D. O. Norris. Lagrangian saddle points and optimal control. *SIAM Journal on Control*, 5(4):594–599, ??? 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Nor68].
- [Nor68] D. O. Norris. Erratum: Lagrangian saddle points and optimal control. *SIAM Journal on Control*, 6(4):647, ??? 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Nor67].
- [Nor71] D. O. Norris. A generalized Lagrange multiplier rule for equality constraints in normed linear spaces. *SIAM Journal on Control*, 9(4):561–567, ??? 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- [NS75] D. O. Norris and L. E. Snyder. Consistency of least-squares estimates used in linear systems identification. *SIAM Journal on Control*, 13(6):1183–1193, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).
- [NW70] L. W. Neustadt and J. Warga. Comments on the paper “Optimal control of processes described by integral equations. I” by V. R. Vinokurov. *SIAM Journal on Control*, 8(4):572, ??? 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Vin69a].

Nelson:1968:CNO

- [NY68] Paul Nelson, Jr. and Gale Young. A class of nonstandard optimal control problems with application to nuclear reactor economics. *SIAM Journal on Control*, 6(2):281–302, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Oguztoreli:1963:RTC

- [Oğ63a] M. N. Oğuztöreli. Relay type control systems with retardation and switching delay. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):275–289, 1963. CODEN JSMCAL. ISSN 0887-4603.

Oguztoreli:1963:TOC

- [Oğ63b] M. N. Oğuztöreli. A time optimal control problem for systems described by differential difference equations. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):290–310, 1963. CODEN JSMCAL. ISSN 0887-4603.

Oguztoreli:1964:OPS

- [Ogu64] M. Namık Oguztöreli. Optimal pursuit strategy processes with retarded control systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):89–105, 1964. CODEN JSMCAL. ISSN 0887-4603.

Oza:1968:SIP

- [OJ68] K. G. Oza and E. I. Jury. System identification and the principle of random contraction mapping. *SIAM Journal on Control*, 6(2):244–257, 1968. CODEN SJCOA9.

ISSN 0036-1402 (print), 2469-4231 (electronic).

OMalley:1975:SPL

- [OK75] R. E. O'Malley, Jr. and C. F. Kung. The singularly perturbed linear state regulator problem. II. *SIAM Journal on Control*, 13(2):327–337, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Okamura:1964:SMT

- [Oka64] Kiyohisa Okamura. Some mathematical theory of the penalty method for solving optimum control problems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):317–331, 1964. CODEN JSMCAL. ISSN 0887-4603.

Olech:1974:CWC

- [Ole74] Czeslaw Olech. Characterization of the weak closure of certain sets of integrable functions. *SIAM Journal on Control*, 12(2):311–318, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

OMalley:1972:SPL

- [O'M72] R. E. O'Malley, Jr. The singularly perturbed linear state regulator problem. *SIAM Journal on Control*, 10(3):399–413, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Onuchic:1971:IPT

- [Onu71] Nelson Onuchic. Invariance properties in the theory of ordinary differential equations with applications to stability problems. *SIAM Journal on Control*, 9(1):97–104, 1971.

CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

PalludelaBarriere:1966:DDO

- [Pal66] R. Pallu de la Barrière. Duality in dynamic optimization. *SIAM Journal on Control*, 4(1):159–163, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Papoulis:1973:DAA

- [Pap73] A. Papoulis. A different approach to the analysis of tracer data. *SIAM Journal on Control*, 11(3):466–474, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Parzen:1962:EDP

- [Par62] Emanuel Parzen. Extraction and detection problems and reproducing kernel Hilbert spaces. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(1):35–62, 1962. CODEN JSM-CAL. ISSN 0887-4603.

Pau:1975:DGN

- [Pau75] L. F. Pau. Differential games and a Nash equilibrium searching algorithm. *SIAM Journal on Control*, 13(4):835–852, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Paz:1967:FSS

- [Paz67] A. Paz. A finite set of $n \times n$ stochastic matrices generating all n -dimensional probability vectors whose coordinates have finite binary expansion. *SIAM Journal on Control*, 5(4):545–554, 1967. CO-

DEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Potter:1970:MBE

- [PD70] James E. Potter and James C. Deckert. The minimal bound on the estimation error covariance matrix in the presence of correlated driving noise. *SIAM Journal on Control*, 8(4):513–526, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pearson:1966:DDT

- [Pea66a] J. D. Pearson. Duality and a decomposition technique. *SIAM Journal on Control*, 4(1):164–172, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pearson:1966:DBE

- [Pea66b] J. D. Pearson. On the duality between estimation and control. *SIAM Journal on Control*, 4(4):594–600, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Peleg:1972:EPO

- [Pel72] Bezalel Peleg. Efficiency prices for optimal consumption plans. IV. *SIAM Journal on Control*, 10(3):414–433, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Peng:1972:ISB

- [Pen72] T. K. C. Peng. Invariance and stability for bounded uncertain systems. *SIAM Journal on Control*, 10(4):679–690, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Petrosyan:1972:TGT

- [Pet72] L. A. Petrosyan. Topological games and their applications to pursuit problems. I. *SIAM Journal on Control*, 10(1):194–202, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Planchart:1975:EAS

- [PH75] Alejo Planchart and Arthur P. Hurter, Jr. Efficient algorithm for the solution of the Weber problem with mixed norms. *SIAM Journal on Control*, 13(3):650–665, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pliska:1973:MCD

- [Pli73] Stanley R. Pliska. Multiperson controlled diffusions. *SIAM Journal on Control*, 11(4):563–586, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pliska:1975:SRM

- [Pli75] Stanley R. Pliska. Semigroup representation of the maximum expected reward vector in continuous parameter Markov decision theory. *SIAM Journal on Control*, 13(6):1115–1129, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pecsvaradi:1970:NIP

- [PN70] Thomas Pecsvaradi and Kumpati S. Narendra. New iterative procedure for the minimization of a quadratic form on a convex set. *SIAM Journal on Control*, 8(3):396–402, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pontryagin:1965:SDG

- [Pon65] L. S. Pontryagin. On some differential games. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):49–52, 1965. CODEN JSM-CAL. ISSN 0887-4603.

Ponstein:1968:MFO

- [Pon68] J. Ponstein. Multiplier functions in optimal control. *SIAM Journal on Control*, 6(4):648–658, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pontryagin:1974:LDG

- [Pon74] L. S. Pontryagin. Linear differential games. *SIAM Journal on Control*, 12(2):262–267, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Popov:1972:IDL

- [Pop72] V. M. Popov. Invariant description of linear, time-invariant controllable systems. *SIAM Journal on Control*, 10(2):252–264, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Porter:1966:OCD

- [Por66] William A. Porter. On the optimal control of distributive systems. *SIAM Journal on Control*, 4(3):466–472, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Porter:1967:FSP

- [Por67] William A. Porter. On function space pursuit-evasion games. *SIAM Journal on Control*, 5(4):555–574,

???? 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Porter:1968:MPA

- [Por68] William A. Porter. A minimization problem and its applications to optimal control and system sensitivity. *SIAM Journal on Control*, 6(2):303–311, ??? 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pironneau:1973:DMO

- [PP73] O. Pironneau and E. Polak. A dual method for optimal control problems with initial and final boundary constraints. *SIAM Journal on Control*, 11(3):534–549, ??? 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Parthasarathy:1975:ESP

- [PR75] T. Parthasarathy and T. E. S. Raghavan. Existence of saddle points and Nash equilibrium points for differential games. *SIAM Journal on Control*, 13(5):977–980, August 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Prekopa:1966:PDO

- [Prè66] András Prékopa. On the probability distribution of the optimum of a random linear program. *SIAM Journal on Control*, 4(1):211–222, ??? 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Pshenichniy:1966:LOC

- [Psh66] B. N. Pshenichniy. Linear optimal control problems. *SIAM Journal on Control*, 4(4):577–593, ??? 1966.

CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rao:1972:CDG

- [Rao72] A. N. V. Rao. Comparison of differential games of fixed duration. *SIAM Journal on Control*, 10(2):393–397, ??? 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rao:1974:NSI

- [RBR74] N. J. Rao, J. D. Borwanker, and D. Ramkrishna. Numerical solution of Ito integral equations. *SIAM Journal on Control*, 12(1):124–139, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Ross:1969:OCP

- [RFL69] D. W. Ross and I. Flügge-Lotz. An optimal control problem for systems with differential-difference equation dynamics. *SIAM Journal on Control*, 7(4):609–623, November 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rishel:1965:EPP

- [Ris65] Raymond W. Rishel. An extended Pontryagin principle for control systems whose control laws contain measures. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):191–205, ??? 1965. CODEN JSMCAL. ISSN 0887-4603.

Rishel:1966:ECR

- [Ris66] R. W. Rishel. An example concerning rockets capable of impulsive thrust. *SIAM Journal on Control*,

4(4):740–744, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rishel:1970:NSD

- [Ris70] Raymond Rishel. Necessary and sufficient dynamic programming conditions for continuous time stochastic optimal control. *SIAM Journal on Control*, 8(4):559–571, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rishel:1971:WSP

- [Ris71a] Raymond W. Rishel. Weak solutions of a partial differential equation of dynamic programming. *SIAM Journal on Control*, 9(4):519–528, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rissanen:1971:RIL

- [Ris71b] J. Rissanen. Recursive identification of linear systems. *SIAM Journal on Control*, 9(3):420–430, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rishel:1975:DPM

- [Ris75] Raymond Rishel. Dynamic programming and minimum principles for systems with jump Markov disturbances. *SIAM Journal on Control*, 13(2):338–371, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rink:1968:CCB

- [RM68] R. E. Rink and R. R. Mohler. Completely controllable bilinear systems. *SIAM Journal on Control*, 6(3):477–486, 1968. CODEN SJCOA9.

ISSN 0036-1402 (print), 2469-4231 (electronic).

Robinson:1973:LSM

- [RM73] Stephen M. Robinson and Robert R. Meyer. Lower semicontinuity of multivalued linearization mappings. *SIAM Journal on Control*, 11(3):525–533, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Robinson:1975:AEB

- [Rob75] Stephen M. Robinson. Application of error bounds for convex programming in a linear space. *SIAM Journal on Control*, 13(2):271–273, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rockafellar:1972:SCC

- [Roc72] R. Tyrrell Rockafellar. State constraints in convex control problems of Bolza. *SIAM Journal on Control*, 10(4):691–715, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rockafellar:1974:ALM

- [Roc74] R. Tyrrell Rockafellar. Augmented Lagrange multiplier functions and duality in nonconvex programming. *SIAM Journal on Control*, 12(2):268–285, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Roitenberg:1970:ONS

- [Roï70] Ye. Ya. Roïtenberg. Observability of nonlinear systems. *SIAM Journal on Control*, 8(3):338–345, 1970.

CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Romeo:1969:SBF

- [Rom69] Frank P. Romeo, Jr. Sequentially best filter. *SIAM Journal on Control*, 7(4):596–608, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Root:1969:OCN

- [Roo69] James G. Root. Optimum control of non-Gaussian linear stochastic systems with inaccessible state variables. *SIAM Journal on Control*, 7(2):317–323, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Root:1975:MSIa

- [Roo75a] William L. Root. On the modeling of systems for identification. i: ε -representations of classes of systems. *SIAM Journal on Control*, 13(4):927–944, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Root:1975:MSIb

- [Roo75b] William L. Root. On the modeling of systems for identification. Part II: Time-varying systems. *SIAM Journal on Control*, 13(4):945–974, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rosenbrock:1964:SCS

- [Ros64] H. H. Rosenbrock. Some conditions for the stability of nonlinear time-dependent differential equations. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):171–180,

1964. CODEN JSMCAL. ISSN 0887-4603.

Rosen:1966:ISN

- [Ros66] J. B. Rosen. Iterative solution of nonlinear optimal control problems. *SIAM Journal on Control*, 4(1):223–244, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Roxin:1965:SCS

- [Rox65] Emilio Roxin. On stability in control systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):357–372, 1965. CODEN JSMCAL. ISSN 0887-4603.

Ramarajan:1973:CSM

- [RT73] S. Ramarajan and M. A. L. Thathachar. Construction of stability multipliers with prescribed phase characteristics: an improved value for σ . *SIAM Journal on Control*, 11(1):94–99, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rubio:1966:FPM

- [Rub66] J. E. Rubio. A fixed-point method for a minimum-norm control problem. *SIAM Journal on Control*, 4(4):705–715, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rublein:1972:PCC

- [Rub72] G. T. Rublein. On pursuit with curvature constraints. *SIAM Journal on Control*, 10(1):37–39, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Rubio:1975:GCE

- [Rub75] J. E. Rubio. Generalized curves and extremal points. *SIAM Journal on Control*, 13(1):28–47, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Russell:1964:PFB

- [Rus64] D. L. Russell. Penalty functions and bounded phase coordinate control. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):409–422, 1964. CODEN JSMCAL. ISSN 0887-4603.

Russell:1966:ORL

- [Rus66] David L. Russell. Optimal regulation of linear symmetric hyperbolic systems with finite dimensional controls. *SIAM Journal on Control*, 4(2):276–294, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Russell:1969:SPP

- [Rus69a] C. Bradley Russell. Surveillance problems. Poisson process under costly surveillance. *SIAM Journal on Control*, 7(4):624–636, November 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Russell:1969:CST

- [Rus69b] David L. Russell. Continuity in the strong topology of operator-valued solutions of nonlinear differential equations with an application to optimal control. *SIAM Journal on Control*, 7(1):132–140, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Russell:1971:BVCa

- [Rus71a] David L. Russell. Boundary value control of the higher-dimensional wave equation. *SIAM Journal on Control*, 9(1):29–42, February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Russell:1971:BVcb

- [Rus71b] David L. Russell. Boundary value control theory of the higher-dimensional wave equation, Part II. *SIAM Journal on Control*, 9(3):401–419, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Russell:1973:QPC

- [Rus73] David L. Russell. Quadratic performance criteria in boundary control of linear symmetric hyperbolic systems. *SIAM Journal on Control*, 11(3):475–509, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Russak:1975:SON

- [Rus75] I. Bert Russak. Second order necessary conditions for problems with state inequality constraints. *SIAM Journal on Control*, 13(2):372–388, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Silverman:1968:COS

- [SA68] L. M. Silverman and B. D. O. Anderson. Controllability, observability and stability of linear systems. *SIAM Journal on Control*, 6(1):121–130, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sakawa:1966:SOP

- [Sak66] Yoshiyuki Sakawa. On a solution of an optimization problem in linear systems with quadratic performance index. *SIAM Journal on Control*, 4(2):382–395, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sakawa:1970:SLP

- [Sak70] Yoshiyuki Sakawa. Solution of linear pursuit-evasion games. *SIAM Journal on Control*, 8(1):100–112 (or 101–112??), February 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sakawa:1974:CPD

- [Sak74] Yoshiyuki Sakawa. Controllability for partial differential equations of parabolic type. *SIAM Journal on Control*, 12(3):389–400, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sakawa:1975:ORP

- [Sak75] Yoshiyuki Sakawa. Observability and related problems for partial differential equations of parabolic type. *SIAM Journal on Control*, 13(1):14–27, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sandberg:1964:SSS

- [San64] I. W. Sandberg. On the solutions of systems of second order differential equations with variable coefficients. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):192–198, 1964. CODEN JSMCAL. ISSN 0887-4603.

Sannuti:1975:AES

- [San75] Peddapullaiah Sannuti. Asymptotic expansions of singularly perturbed quasi-linear optimal systems. *SIAM Journal on Control*, 13(3):572–592, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Saperstone:1973:GCL

- [Sap73] Stephen H. Saperstone. Global controllability of linear systems with positive controls. *SIAM Journal on Control*, 11(3):417–423, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sasai:1972:NPM

- [Sas72] Hitoshi Sasai. Note on the penalty method for distributed parameter optimal control problems. *SIAM Journal on Control*, 10(4):730–736, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sasai:1974:IPM

- [Sas74] Hitoshi Sasai. Interior penalty method for minimax problems with constraints. *SIAM Journal on Control*, 12(4):643–649, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Steding:1974:INI

- [SB74] Thomas L. Steding and Arthur R. Bergen. Instability of nonlinear infinite-dimensional feedback systems using Lyapunov functionals. *SIAM Journal on Control*, 12(4):664–678, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Scalzo:1974:DGR

- [Sca74a] Richard C. Scalzo. Differential games with restricted phase coordinates. *SIAM Journal on Control*, 12(3):426–435, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Scalzo:1974:PLQ

- [Sca74b] Richard C. Scalzo. N -person linear-quadratic differential games with constraints. *SIAM Journal on Control*, 12(3):419–425, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Schmaedeke:1965:OCT

- [Sch65] W. W. Schmaedeke. Optimal control theory for nonlinear vector differential equations containing measures. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(2):231–280, 1965. CODEN JSMCAL. ISSN 0887-4603.

Schmaedeke:1967:MTO

- [Sch67] Wayne Schmaedeke. Mathematical theory of optimal control for semilinear hyperbolic systems in two independent variables. *SIAM Journal on Control*, 5(1):138–152, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Schwarzkopf:1972:OCP

- [Sch72] A. B. Schwarzkopf. Optimal controls for problems with a restricted state space. *SIAM Journal on Control*, 10(3):487–511, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Schultz:1973:KTA

- [Sch73] Hilbert K. Schultz. A Kuhn–Tucker algorithm. *SIAM Journal on Control*, 11(3):438–445, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Schmookler:1975:SMS

- [Sch75a] Yulia Schmookler. Statistical mechanics and systems of large numbers of elements with random interaction. *SIAM Journal on Control*, 13(2):243–270, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Schwarzkopf:1975:CTN

- [Sch75b] A. B. Schwarzkopf. Controllability and tenability of nonlinear systems with state equality constraints. *SIAM Journal on Control*, 13(3):695–705, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Schwarzkopf:1975:RCP

- [Sch75c] A. B. Schwarzkopf. Relaxed control problems with state equality constraints. *SIAM Journal on Control*, 13(3):677–694, May 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Soults:1971:DG V

- [SD71] Donald J. Soults and H. T. David. The distribution of $2 \times n$ game values and program optima. *SIAM Journal on Control*, 9(1):135–141, February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Szego:1963:RNP

- [SG63] G. P. Szegő and G. R. Geiss. A remark on “A New Partial Differential Equation for the Stability Analysis of Time Invariant Control Systems”. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(3):369–376, 1963. CODEN JSMCAL. ISSN 0887-4603.

Sinha:1971:SND

- [SH71] A. S. C. Sinha and R. G. Hoft. Stability of a nonautonomous differential equation of fourth order. *SIAM Journal on Control*, 9(1):8–14, February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Skoog:1972:DSR

- [Sko72] R. A. Skoog. On dynamical systems realizing stationary weighting patterns and time-varying feedback systems. *SIAM Journal on Control*, 10(1):48–55, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Skoog:1974:PCI

- [Sko74] Ronald A. Skoog. Positivity conditions and instability criteria for feedback systems. *SIAM Journal on Control*, 12(1):83–98, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Shafran:1970:RPB

- [SL70] J. S. Shafran and J. Y. S. Luh. Recoverability for processes with bounded control amplitudes and rates. *SIAM Journal on Control*, 8(2):189–201, May 1970. CODEN

SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Slemrod:1974:NCC

- [Sle74] Marshall Slemrod. A note on complete controllability and stabilizability for linear control systems in Hilbert space. *SIAM Journal on Control*, 12(3):500–508, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Silverman:1967:COT

- [SM67] L. M. Silverman and H. E. Meadows. Controllability and observability in time-variable linear systems. *SIAM Journal on Control*, 5(1):64–73, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Smith:1964:MLF

- [Smi64] Gerald L. Smith. Multivariable linear filter theory applied to space vehicle guidance. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(1):19–32, 1964. CODEN JSMCAL. ISSN 0887-4603.

Snow:1964:SOC

- [Sno64] Donald R. Snow. Singular optimal controls for a class of minimum effort problems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):203–219, 1964. CODEN JSMCAL. ISSN 0887-4603.

Snyders:1975:EEO

- [Sny75] Jakov Snyders. Error expressions for optimal stationary state estimation. *SIAM Journal on Control*, 13(5):1093–1102, August 1975. CODEN

SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sasai:1971:CAS

Sarma:1971:NNC

- [SP71a] I. G. Sarma and U. R. Prasad. A note on the necessary conditions for optimal strategies in a class of noncooperative N -person differential games. *SIAM Journal on Control*, 9(3):441–445, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

- [SS71] Hitoshi Sasai and Etsujro Shimemura. On the convergence of approximating solutions for linear distributed parameter optimal control problems. *SIAM Journal on Control*, 9(2):263–273, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Silverman:1971:IOS

- [SP71b] L. M. Silverman and H. J. Payne. Input-output structure of linear systems with application to the decoupling problem. *SIAM Journal on Control*, 9(2):199–233, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Stern:1972:ABV

- [Ste72] Ronald J. Stern. Asymptotic behavior of the value of differential games. *SIAM Journal on Control*, 10(4):747–753, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Stern:1973:OLA

- [Ste73] Ronald J. Stern. Open loop approximation of differential games. *SIAM Journal on Control*, 11(1):20–31, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Schmaedeke:1964:TOC

- [SR64] W. W. Schmaedeke and D. L. Russell. Time optimal control with amplitude and rate limited controls. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):373–395, 1964. CODEN JSMCAL. ISSN 0887-4603.

Sarma:1969:NCO

- [SRP69] I. G. Sarma, R. K. Ragade, and U. R. Prasad. Necessary conditions for optimal strategies in a class of noncooperative N -person differential games. *SIAM Journal on Control*, 7(4):637–644, November 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Stern:1974:DGS

- [Ste74] Ronald J. Stern. Differential games of survival with space-like terminal set. *SIAM Journal on Control*, 12(1):167–177, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Stone:1973:NSC

- [Sto73] Lawrence D. Stone. Necessary and sufficient conditions for optimal control of semi-Markov jump processes. *SIAM Journal on Control*, 11(2):187–201, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Stratonovich:1966:NRS

- [Str66] R. L. Stratonovich. A new representation for stochastic integrals and equations. *SIAM Journal on Control*, 4(2):362–371, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Suryanarayana:1973:NCO

- [Sur73] M. B. Suryanarayana. Necessary conditions for optimization problems with hyperbolic partial differential equations. *SIAM Journal on Control*, 11(1):130–147, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sussmann:1972:BBP

- [Sus72] Hector J. Sussmann. The “bang–bang” problem for certain control systems in $GL(n, R)$. *SIAM Journal on Control*, 10(3):470–476, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sussmann:1975:NDN

- [Sus75] Héctor J. Sussmann. On the number of directions needed to achieve controllability. *SIAM Journal on Control*, 13(2):414–419, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sonneborn:1964:BBP

- [SV64] L. M. Sonneborn and F. S. Van Vleck. The bang–bang principle for linear control systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(2):151–159, 1964. CODEN JSMCAL. ISSN 0887-4603.

Snyders:1975:RLS

- [SW75] J. Snyders and W. M. Wonham. Regulation of linear stochastic systems. *SIAM Journal on Control*, 13(4):853–864, July 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Sworder:1964:MCD

- [Swo64] D. D. Sworder. Minimax control of discrete time stochastic systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):433–449, 1964. CODEN JSMCAL. ISSN 0887-4603.

Saperstone:1971:CLO

- [SY71] Stephen H. Saperstone and James A. Yorke. Controllability of linear oscillatory systems using positive controls. *SIAM Journal on Control*, 9(2):253–262, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Szego:1962:NPD

- [Sze62] G. P. Szegő. On a new partial differential equation for the stability analysis of time invariant control systems. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 1(1):63–75, 1962. CODEN JSMCAL. ISSN 0887-4603.

Tokumar:1970:DMM

- [TAG70] H. Tokumar, N. Adachi, and K. Goto. Davidon’s method for minimization problems in Hilbert space with an application to control problems. *SIAM Journal on Control*, 8(2):163–178, May 1970. CODEN

SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Chen:1968:SLT

- [tC68] Chi tsong Chen. L_p -stability of linear time-varying feedback systems. *SIAM Journal on Control*, 6(2):186–193, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Triggiani:1975:COB

- [Tri75] Roberto Triggiani. Controllability and observability in Banach space with bounded operators. *SIAM Journal on Control*, 13(2):462–491, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Troch:1971:NCC

- [Tro71] Inge Troch. A note on complete controllability. *SIAM Journal on Control*, 9(4):543–546, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Tsujioka:1970:RCS

- [Tsu70] Kunio Tsujioka. Remarks on controllability of second order evolution equations in Hilbert spaces. *SIAM Journal on Control*, 8(1):90–99, February 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Topkis:1967:CSF

- [TV67] Donald M. Topkis and Arthur F. Veinott, Jr. On the convergence of some feasible direction algorithms for nonlinear programming. *SIAM Journal on Control*, 5(2):268–279, 1967. CODEN SJCOA9. ISSN

0036-1402 (print), 2469-4231 (electronic).

Thompson:1975:LQC

- [TV75] D. D. Thompson and R. A. Volz. Linear quadratic cost problem with linear state constraints and the non-symmetric Riccati equation. *SIAM Journal on Control*, 13(1):110–145, January 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Vachino:1966:SDI

- [Vac66] Rinaldo F. Vachino. Steepest descent with inequality constraints on the control variables. *SIAM Journal on Control*, 4(1):245–261, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Varaiya:1966:DLS

- [Var66] P. Varaiya. Decomposition of large-scale systems. *SIAM Journal on Control*, 4(1):173–178, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Varaiya:1967:ESD

- [Var67] P. P. Varaiya. On the existence of solutions to a differential game. *SIAM Journal on Control*, 5(1):153–162, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Varaiya:1970:PNS

- [Var70] Pravin Varaiya. N -person nonzero sum differential games with linear dynamics. *SIAM Journal on Control*, 8(4):441–449, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Venkatesh:1971:GVC

- [Ven71] Y. V. Venkatesh. Global variation criteria for stability of linear time varying systems. *SIAM Journal on Control*, 9(3):431–440, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Vidyasagar:1972:IOS

- [Vid72] Mathukumalli Vidyasagar. Input-output stability of a broad class of linear time-invariant multivariable systems. *SIAM Journal on Control*, 10(1):203–209, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Vidyasagar:1975:CFS

- [Vid75] Mathukumalli Vidyasagar. Coprime factorizations and stability of multivariable distributed feedback systems. *SIAM Journal on Control*, 13(6):1144–1155, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Vinokurov:1969:OCPa

- [Vin69a] V. R. Vinokurov. Optimal control of processes described by integral equations. I. *SIAM Journal on Control*, 7(2):324–336, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Vin70] and comments [NW70].

Vinokurov:1969:OCPb

- [Vin69b] V. R. Vinokurov. Optimal control of processes described by integral equations. II. *SIAM Journal on Control*, 7(2):337–345, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Vinokurov:1969:OCPc

- [Vin69c] V. R. Vinokurov. Optimal control of processes described by integral equations. III. *SIAM Journal on Control*, 7(2):346–355, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Vinokurov:1970:EOC

- [Vin70] V. R. Vinokurov. Erratum: “Optimal control of processes described by integral equations. I”. *SIAM Journal on Control*, 8(3):440, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Vin69a].

Vinokurov:1973:FCP

- [Vin73] V. R. Vinokurov. Further comments on the paper: “Optimal control of processes described by integral equations. I”. (*Izv. Vysš. Učebn. Zaved. Matematika* **62**, no. 7 (1976), 21–33) by V. R. Vinokurov. *SIAM Journal on Control*, 11(1):185, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Vinter:1974:GDB

- [Vin74] Richard B. Vinter. Generalization to dual Banach spaces of a theorem by Balakrishnan. *SIAM Journal on Control*, 12(1):150–166, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Virsan:1970:NCO

- [Vir70] C. Virsan. Necessary conditions for optimization problems with operator constraints. *SIAM Journal on Control*, 8(4):527–558, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Varaiya:1966:BIB

- [VL66] P. P. Varaiya and R. Liu. Bounded-input bounded-output stability of nonlinear time-varying differential systems. *SIAM Journal on Control*, 4(4):698–704, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Varaiya:1969:ESP

- [VL69] P. Varaiya and Jiguan Lin. Existence of saddle points in differential games. *SIAM Journal on Control*, 7(1):141–157, February 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

VanSlyke:1966:PUU

- [VW66] Richard Van Slyke and Roger Wets. Programming under uncertainty and stochastic optimal control. *SIAM Journal on Control*, 4(1):179–193, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wahba:1973:MQF

- [Wah73] Grace Wahba. On the minimization of a quadratic functional subject to a continuous family of linear inequality constraints. *SIAM Journal on Control*, 11(1):64–79, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wang:1975:OCP

- [Wan75] P. K. C. Wang. Optimal control of parabolic systems with boundary conditions involving time delays. *SIAM Journal on Control*, 13(2):274–293, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Warga:1965:MPU

- [War65a] J. Warga. Minimax problems with unilateral curves in the calculus of variations. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(1):91–105, 1965. CODEN JSMCAL. ISSN 0887-4603.

Warga:1965:VPU

- [War65b] J. Warga. Variational problems with unbounded controls. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 3(3):424–438, 1965. CODEN JSMCAL. ISSN 0887-4603.

Warga:1967:FRC

- [War67a] J. Warga. Functions of relaxed controls. *SIAM Journal on Control*, 5(4):628–641, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Warga:1967:RMF

- [War67b] J. Warga. Restricted minima of functions of controls. *SIAM Journal on Control*, 5(4):642–656, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Warga:1970:CPF

- [War70a] J. Warga. Control problems with functional restrictions. *SIAM Journal on Control*, 8(3):360–371, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Warga:1970:UMC

- [War70b] J. Warga. Unilateral and minimax control problems defined by integral equations. *SIAM Journal on*

Control, 8(3):372–382, August 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Warga:1974:OCP

- [War74] J. Warga. Optimal controls with pseudodelays. *SIAM Journal on Control*, 12(2):286–299, May 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wu:1969:SNT

- [WD69] M. Y. Wu and C. A. Desoer. L^p stability ($1 \leq p \leq \infty$) of nonlinear time-varying feedback systems. *SIAM Journal on Control*, 7(2):356–364, May 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Warren:1975:DCS

- [WE75] Michael E. Warren and Adrian E. Eckberg, Jr. On the dimensions of controllability subspaces: a characterization via polynomial matrices and Kronecker invariants. *SIAM Journal on Control*, 13(2):434–445, February 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Weiss:1967:CDD

- [Wei67] Leonard Weiss. On the controllability of delay-differential systems. *SIAM Journal on Control*, 5(4):575–587, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Weiss:1968:STL

- [Wei68] Leonard Weiss. On the structure theory of linear differential systems.

SIAM Journal on Control, 6(4):659–680, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Weiss:1972:CRS

- [Wei72] Leonard Weiss. Controllability, realization and stability of discrete-time systems. *SIAM Journal on Control*, 10(2):230–251, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Weiner:1977:CGP

- [Wei77] L. B. Weiner. Comments on: “Generalized Prediction-Correction Estimation”. *SIAM Journal on Control and Optimization*, 15(5):857–858, August 1977. CODEN SJCODC. ISSN 0363-0129 (print), 1095-7138 (electronic). See [KH69].

Wolovich:1969:SMS

- [WF69] W. A. Wolovich and P. L. Falb. On the structure of multivariable systems. *SIAM Journal on Control*, 7(3):437–451, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wierzbicki:1972:MPS

- [Wie72] Andrzej P. Wierzbicki. Maximum principle for semiconvex performance functionals. *SIAM Journal on Control*, 10(3):444–459, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Willems:1969:SII

- [Wil69] Jan C. Willems. Stability, instability, invertibility and causality. *SIAM Journal on Control*, 7(4):645–671, November 1969. CODEN SJCOA9.

ISSN 0036-1402 (print), 2469-4231 (electronic).

Willems:1971:GLF

- [Wil71a] Jan C. Willems. The generation of Lyapunov functions for input-output stable systems. *SIAM Journal on Control*, 9(1):105–134, February 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Willman:1971:SEM

- [Wil71b] W. W. Willman. Some effects of measurement uncertainty in linear multistage games. *SIAM Journal on Control*, 9(2):274–286, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Witsenhausen:1968:CSO

- [Wit68] H. S. Witsenhausen. A counterexample in stochastic optimum control. *SIAM Journal on Control*, 6(1):131–147, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Witsenhausen:1970:PBU

- [Wit70] H. S. Witsenhausen. On performance bounds for uncertain systems. *SIAM Journal on Control*, 8(1):55–89, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Witsenhausen:1971:ISF

- [Wit71] H. S. Witsenhausen. On information structures, feedback and causality. *SIAM Journal on Control*, 9(2):149–160, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wonham:1970:DPA

- [WM70] W. M. Wonham and A. S. Morse. Decoupling and pole assignment in linear multivariable systems: a geometric approach. *SIAM Journal on Control*, 8(1):1–18, February 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wolovich:1972:USF

- [Wol72] W. A. Wolovich. The use of state feedback for exact model matching. *SIAM Journal on Control*, 10(3):512–523, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wonham:1964:SAS

- [Won64] W. M. Wonham. Some applications of stochastic differential equations to optimal nonlinear filtering. *Journal of the Society for Industrial and Applied Mathematics. Series A, On control*, 2(3):347–369, 1964. CODEN JSMCAL. ISSN 0887-4603.

Wonham:1967:OSC

- [Won67] W. M. Wonham. Optimal stationary control of a linear system with state-dependent noise. *SIAM Journal on Control*, 5(3):486–500, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wonham:1968:MRE

- [Won68a] W. M. Wonham. On a matrix Riccati equation of stochastic control. *SIAM Journal on Control*, 6(4):681–697, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See erratum [Won69].

Wonham:1968:STS

- [Won68b] W. M. Wonham. On the separation theorem of stochastic control. *SIAM Journal on Control*, 6(2):312–326, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wonham:1969:EMR

- [Won69] W. M. Wonham. Erratum: “On a matrix Riccati equation of stochastic control”. *SIAM Journal on Control*, 7(2):365, 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic). See [Won68a].

Wong:1971:RMQ

- [Won71] E. Wong. Representation of martingales, quadratic variation and applications. *SIAM Journal on Control*, 9(4):621–633, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wonham:1973:TRL

- [Won73] W. M. Wonham. Tracking and regulation in linear multivariable systems. *SIAM Journal on Control*, 11(3):424–437, 1973. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wonham:1974:RIS

- [WP74] W. M. Wonham and J. B. Pearson. Regulation and internal stabilization in linear multivariable systems. *SIAM Journal on Control*, 12(1):5–18, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wagner:1974:NER

- [WS74a] Daniel H. Wagner and Lawrence D. Stone. Necessity and existence results on constrained optimization of separable functionals by a multiplier rule. *SIAM Journal on Control*, 12(3):356–372, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Wagner:1974:OAU

- [WS74b] Daniel H. Wagner and Lawrence D. Stone. Optimization of allocations under a coverability condition. *SIAM Journal on Control*, 12(3):373–379, 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Walkup:1969:SPR

- [WW69] David W. Walkup and Roger J.-B. B. Wets. Some practical regularity conditions for nonlinear programs. *SIAM Journal on Control*, 7(3):430–436, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Yorke:1971:APL

- [Yor71] James A. Yorke. Another proof of the Liapunov convexity theorem. *SIAM Journal on Control*, 9(3):351–353, 1971. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Yorke:1972:MPC

- [Yor72] James A. Yorke. The maximum principle and controllability of nonlinear equations. *SIAM Journal on Control*, 10(2):334–338, 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zabczyk:1974:RCD

- [Zab74] J. Zabczyk. Remarks on the control of discrete-time distributed parameter systems. *SIAM Journal on Control*, 12(4):721–735, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zabczyk:1975:OSC

- [Zab75] Jerzy Zabczyk. On optimal stochastic control of discrete-time systems in Hilbert space. *SIAM Journal on Control*, 13(6):1217–1234, November 1975. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zakai:1967:UBM

- [Zak67] Moshe Zakai. On the ultimate boundedness of moments associated with solutions of stochastic differential equations. *SIAM Journal on Control*, 5(4):588–593, 1967. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zakai:1969:LCE

- [Zak69] Moshe Zakai. A Lyapunov criterion for the existence of stationary probability distributions for systems perturbed by noise. *SIAM Journal on Control*, 7(3):390–397, August 1969. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zemanian:1974:RHP

- [Zem74] A. H. Zemanian. Relaxive Hilbert ports. *SIAM Journal on Control*, 12(1):106–123, February 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zames:1968:SCS

- [ZF68] G. Zames and P. L. Falb. Stability conditions for systems with monotone and slope-restricted nonlinearities. *SIAM Journal on Control*, 6(1):89–108, 1968. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zlobec:1970:AKT

- [Zlo70] Sanjo Zlobec. Asymptotic Kuhn–Tucker conditions for mathematical programming problems in a Banach space. *SIAM Journal on Control*, 8(4):505–512, 1970. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zmood:1974:ESC

- [Zmo74] Ronald B. Zmood. Euclidean space controllability of control systems with delay. *SIAM Journal on Control*, 12(4):609–623, November 1974. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zolezzi:1972:NCO

- [Zol72] Tullio Zolezzi. Necessary conditions for optimal controls of elliptic or parabolic problems. *SIAM Journal on Control*, 10(4):594–607, November 1972. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).

Zoutendijk:1966:NPN

- [Zou66] G. Zoutendijk. Nonlinear programming: a numerical survey. *SIAM Journal on Control*, 4(1):194–210, 1966. CODEN SJCOA9. ISSN 0036-1402 (print), 2469-4231 (electronic).