A Complete Bibliography of Publications in *Numerical Algebra, Control and Optimization*

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**Title word cross-reference**


$* [135]. *-representation [135].$

-algebras [135]. -Benson [152].  
-constrained [197]. -convergence [245].  
-differentiable [439]. -eigenvalues [28].  
-norm [279]. -uniformly [174].  
-well-posedness [147].


Jensen [75]. Jacobian [216, 106]. Jamming [110].

Individual [410]. industry [402]. inequality [158, 4, 147, 241, 216, 374].
inertia [205]. inertial [430]. inertial-projection [430]. inertias [382].

infinite-dimensional [31]. Information [236, 440]. Initial [342]. initially [251].
inner [107]. input [393, 427, 361, 222, 140, 354]. input/output [140]. inspection [343]. inspired [256].


integration [283, 405, 246, 294, 433]. Integrated [312, 95, 282]. integration [260, 270].
inertial-projection [430]. inertial [205]. inertias [382].

inversion [351]. invexity [439, 24]. involving [207, 26]. irreducible [331, 143]. isolated [41].


Kalman [436]. Karp [273]. kernel [407, 149, 184, 191]. kind [405, 396, 373].
Kutta [309]. Ky [101].

Lagrange [156]. Lagrangian [35, 77, 216].

large-scale [279, 237, 81, 360]. largest [161]. LASSO [278]. latently [352].

leadership [115]. least [369, 305, 382, 373, 278, 304, 368, 3].


localizing [137]. log [328]. Long [440].

polyhedral [37], polynomial
[49, 241, 270, 379, 162], polynomials
[294, 161, 219], population [319], porous
[336], port [154], Portfolio [66, 265, 317],
posedness [147], Positive [305, 104, 6, 373],
positive-definite [104], posteriori [85],
potential [128], power
[179, 261, 411, 290, 326, 364], PR [50], pre
[425], pre-sale [425], Preconditioned
[416, 297, 217, 337], preconditioner [105],
predator [399], predicting [362],
prediction [14], predictor [314, 354],
predictor-corrector [314], Preface
[189, 288, 366, 121, 417, 180, 109, 1, 93, 23,
83, 320, 70, 40], preinvex [401], prescribed
[29], presence [249, 276], preservation
[306], prey [399], price [95], Pricing [290],
Primal [199, 190, 407, 184, 36, 191],
Primal-dual [199, 190, 184, 36, 191],
principle [119], priority [164, 47],
probabilistically [100, 94], probabilities
[49], probability [29], problem
[394, 173, 271, 283, 295, 344, 223, 257, 357,
285, 317, 406, 247, 69, 311, 95, 37, 297, 373,
102, 187, 122, 128, 194, 437, 78, 228, 388,
349, 419, 268, 86, 235, 341, 368, 358, 64, 195],
problems [61, 414, 338, 88, 66, 298, 67, 100,
342, 392, 239, 25, 39, 179, 134, 274, 242, 118,
77, 273, 91, 275, 396, 94, 313, 427, 429, 116,
202, 204, 424, 166, 422, 245, 188, 89, 151, 416,
304, 430, 105, 241, 307, 224, 256, 34, 2, 415,
137, 81, 262, 205, 367, 345, 272, 85, 190, 208,
346, 68, 376, 176, 55, 309, 8, 57, 178, 152],
procedure [267], process [174, 211],
processes [277, 226, 418], processing [187],
processor [164], product
[269, 103, 317, 49, 159], product-forms [49],
product-type [103], production [423],
products [268], profit [347],
programming
[439, 265, 66, 314, 164, 135, 126, 9, 172, 154,
426, 26, 408, 36, 307, 262, 24, 208, 68, 129, 8],
programs [198, 30, 5, 192, 240, 300, 97, 156],
progress [429], projected [297, 81, 367],
Projection [218, 25, 242, 237, 373, 430, 306],
Projection-based [218, 373, 306], proof
[216], proper [220, 136, 215, 152],
Properties
[401, 135, 200, 285, 5, 150, 176, 377],
proportional [433], protected [365],
protocol [264], prox [134],
prox-penalization [134], Proximal
[20, 188, 372, 299, 403], proximity [165],
PRP [398], pseudo [437],
pseudo-monotone [437],
pseudocontractive [174],
Pseudoconvexity [200],
pseudomonotonicity [299], PSO [411],
public [420], Pythagoras [219],
q [277], q-uniformly [277], QNMs [54],
QP [192], QP-free [192], QR [21],
Quadratic [87, 350, 414, 88, 199, 115, 198,
120, 243, 406, 419, 85, 197, 358, 8, 63],
quadrature [145], quality [65],
Quantitative [300], quantum [440, 114],
quasi [6, 353, 146, 201], quasi- [146],
quasi-Newton [6, 353, 201], quasiconvex
[75], quasiequilibrium [346], Quasilinear
[349, 289], quaternionic [355], queue [50],
queues [46],
Rachford [370], radius [28], rainfall [72],
randomized [370], range [136, 182], Rank
[249, 193, 318, 305, 382, 205], Rank-based
[249], Rank-one [193], ranking [267],
ranks [382], rate [79, 397, 330], ratio [399],
ratio-dependent [399], ratios [312],
reachable [144], reaction [226, 263],
reaction-diffusion [263], readers [79], real
[148, 154], real-time [154], reality
[69, 116, 202, 204], realization [433],
realizations [229], reasoning [269],
Receptor [276], recourse [198], recovery
[157], recurrent [169], recycling [423],
reduction
[213, 257, 218, 316, 325, 234, 306, 85],
reductions [273], Reeves [7].
Reeves-Type [7]. reference [140].
reflexive [18]. region [371, 181, 10, 129, 124, 196, 131, 201].
regional [409]. registration [86].
regression [280, 278]. regular [135].
Regularization [5]. regularized [390].
regulation [204, 212]. regulator [19].
reinsurance [214]. related [67, 74, 373, 28].
relating [24]. relation [296]. relations [97].
relaxation [197]. reliable [111].
rendezvous [319]. repair [295].
repositioning [420]. representation [331, 135, 307]. reprojection [315].
rescaling [20]. research [289, 377].
reservation [45]. resilient [389, 322].
resistor [171]. Resource [356, 347].
response [297, 399]. restoration [380].
restriction [217]. Results [245, 218, 258, 165, 418, 28, 89, 303, 33].
Runge [309].

S [361]. SAA [64]. Saddle [243, 105].
Saddle-point [243]. Safe [111]. sale [425].
saturated [397]. saturating [82].
saturation [222]. scalarization [175, 346].
scale [279, 237, 258, 296, 81, 360]. scales [118]. scaling [390]. scheduler [48].

Singular [329, 243, 87, 67, 261, 294, 386, 143, 378, 365].
smooth [277, 283, 181, 192, 307, 359].
smoothing [340, 37, 188, 224, 389, 55, 64]. snow [185]. snow-ice [185]. social [236].
References


Yang [133].

REFERENCES

Yuan:2011:RAN


Chen:2011:CBF


Hoheisel:2011:ICP


Dai:2011:CAS


Li:2011:MFR


Zhang:2011:CDT


Hedar:2011:FBG

REFERENCES


[17] Alexander J. Zaslavski. Stability of a turnpike phenomenon for a class of op-


REFERENCES


REFERENCES

Yuan:2012:SNM


Hao:2012:GCS


Zhang:2012:SON


Chan:2012:ABO


Ong:2012:GOD


Kvasov:2012:UGL


Adly:2012:SCT


Albrecht:2012:BOA

[62] Sebastian Albrecht, Marion Leibold, and Michael Ulbrich. A bilevel optimization approach to obtain optimal cost func-

Zhang:2012:EAC


Zhang:2012:CSS


Chen:2012:IWQ


An:2012:DPA


Bai:2012:SIS


Xu:2012:FSL


Kek:2012:FSN

[69] Sie Long Kek, Kok Lay Teo, and Mohd Ismail Abd Aziz. Filtering solution of nonlinear stochastic optimal control problem in discrete-time
REFERENCES


[77] A. C. Eberhard and C. E. M. Pearce. A sufficient optimality con-


REFERENCES


REFERENCES


[107] Zhong-Zhi Bai. On convergence of the inner–outer iteration method for


REFERENCES


Zhao:2013:NRC


Guo:2013:AWM


Cibotarica:2013:SYB


Chbani:2013:WSC


Dobre:2013:MPR


Jena:2013:IRM


Tarasyev:2013:ANS


REFERENCES


[153] Honglei Xu, Peng Sui, Guanglu Zhou, and Louis Caccetta. Damp-
 REFERENCES


Huang:2013:SDP


Lyu:2014:HHI


Zhou:2014:TFL


Kong:2014:PGP


Chang:2014:SUI


Tian:2014:AVD


Ko:2014:GFB

REFERENCES


[168] Magdi S. Mahmoud and Omar Al-Buraiki. Robust control design of au-
REFERENCES


[Li:2014:CAW]


[Wu:2014:TSM]


[Lungten:2014:SII]


[Held:2014:SPA]


[Aizam:2014:CMT]


[Lee:2014:SCI]


[Li:2014:NSA]

Yu:2014:TPH


Qu:2014:NSS


Zhang:2014:MPS


Chan:2014:EIS


Gao:2015:P


Han:2015:DVH


Wang:2015:DRD


Qi:2015:GCP

[183] Liyan Qi, Xiaotao Xiao, and Liwei Zhang. On the global convergence
REFERENCES

37


Li:2015:ACP


Lv:2015:OPT


Zhai:2015:ODS


Luo:2015:SMB


Liu:2015:PIG


Bai:2015:P


Wang:2015:PDA


Chen:2015:CST


Bai:2015:PDI


Enkhbat:2015:PPA


Zhu:2015:QNT


Mishra:2015:MGM


Kek:2015:ORD
Tian:2015:SRI


Tan:2015:DSS


Gao:2015:OCM


Wang:2015:SMM


Mao:2015:MIH


Shen:2015:NSD


Wang:2015:SMP


Zhang:2015:MID

[212] Xu Zhang and Xiang Li. Modeling and identification of dynamical system with genetic regulation in batch


[219] Thanh Hieu Le and Marc Van Barel. On bounds of the Pythagoras number of the sum of square magnitudes of Laurent polynomials. *Numerical Algebra, Control and Optimization*, 6(2):91–102, ????. 2016. CODEN ????. ISSN 2155-3289 (print),


REFERENCES


REFERENCES


[249] Mostafa Karimi, Noor Akma Ibrahim, Mohd Rizam Abu Bakar, and Jayan-

Ketabchi:2017:CMN


Veremey:2017:SHO


Kropat:2017:CNS


Kheirfam:2017:IFN


Shmyrov:2017:OSO


Srochko:2017:SOC


Sorokin:2017:FNO

Stepan Sorokin and Maxim Staritsyn. Feedback necessary optimality condi-


Yang:2017:AOB

Zhang:2017:TNC

Ahmadi:2017:MSP

Moslemi:2017:PEF

Zahedi-Seresht:2017:NMC

Tirkolaee:2017:RMT

Ahmadzadeh:2017:IMI


REFERENCES


REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
</tr>
</thead>
</table>
REFERENCES


Salahuddin:2019:SGM


Feng:2019:STD


Salkuyeh:2019:PSI


Alipour:2019:HPA


Yuan:2020:AIS


Ketabchi:2020:NCS


Wang:2020:NSO


REFERENCES


REFERENCES


Ghanem:2020:NSB


Zare:2020:FQO


Yilmaz:2020:NST


Xiong:2020:OBC


Li:2020:SMC


Liu:2020:IAT


Liu:2020:FEO

Qiao:2020:PCC


Meng:2020:BAS


Dai:2020:P


Tong:2020:NSP


Xu:2020:BCT


Chang:2020:IAG


Hu:2020:CRD


Chen:2020:TRA


[379] Peizhao Yu, Guoshan Zhang, and Yi Zhang. Decoupling of cubic poly-

**Bastani:2021:GIM**


**Lee:2021:BBC**


**Guerarra:2021:MMR**


**Kahya:2021:IWO**


**Upadhyaya:2021:DMA**


**Niu:2021:PCM**


**Lv:2021:DCU**

REFERENCES


Putkaradze:2021:NSR


Rentsen:2021:GNE


Lotfi:2021:ROM


Jahan:2021:DAR


Uzunca:2021:ADG


Betts:2021:ESO


Glizer:2021:NCE

Abdolhosseinzadeh:2021:DET


Ghelichi:2021:NFA


He:2021:IAD


Panja:2021:DSS


Breiten:2021:SDR

REFERENCES


REFERENCES

Mehrjerdi:2021:NMS


Karite:2021:GRC


Khudher:2021:IBP


Devarapalli:2021:NHA


Price:2021:MNM


Qasim:2021:SND


Aliane:2021:DMS


Sun:2021:AGM

[415] Yanmei Sun and Yakui Huang. An alternate gradient method for optimiza-

Miao:2021:PIN


Fang:2022:P


Liao:2022:ARD


Sun:2022:VFM


Wang:2022:CDR


Miao:2022:LMM


Kim:2022:WCT

Hu:2022:MER

Kerdkaew:2022:GOC

Zhao:2022:OPS

Huang:2022:ODC

Jiang:2022:ASS

Lin:2022:DR

Jin:2022:SNS

Owolabi:2022:NIP
[430] Abd semi Oluwatosin-Enitan Owolabi, Timilehin Opeyemi Alakoya, Adeolu Taiwo, and Oluwatosin Temitope


[437] Grace Nnennaya Ogwo, Chinedu Izuchukwu, and Oluwatosin Temitope Mewomo. A modified extragradient algorithm for a certain class of

Malmir:2022:CFD


Abdulaleem:2022:IDM


Faybusovich:2022:LSP