

A Bibliography of Miscellaneous Mathematics Papers

Karl Berry
135 Center Hill Rd.
Plymouth, MA 02360
USA

E-mail: karl@cs.umb.edu (Internet)

21 January 2020
Version 1.42

Title word cross-reference

a [LO48]. C^3 [CJ81, Wic83]. C^3CM [Bla82, DS83, Fru81]. $\mathcal{C}([0, 1]; \mathcal{S}')$ [Mit84]. $D([0, 1]; \mathcal{S}')$ [Mit84]. L^2 [BW93, Mal89b]. $L^2(\mathbb{R})$ [Aus92]. L^α [Hou92]. l_1 [New65]. M [Vai87]. N [CS92a, BBE89]. $N \times$ [CS92a]. ± 1 [Saf87]. s [Jac83]. $\sum \pm u_n$ [Kah64].

-Channel [Vai87]. **-dimensional** [BBE89].
-importance [Jac83]. **-values** [LO48].

1D [LT90].

9th [SIA90].

absojutnaja [Ole81]. **absolument** [HKK81, KK81]. **absolute** [KS88a, Szi27].
Achieving [Byr94]. **Acoustic** [BT93a, Gre88, TH74, Wic92, YWS92, BJ82].
Acoustics [LM83]. **activity** [Sha85b].
adapted [DW91, DW92]. **Adaptive** [AS70, Gro76a, Gro76b, LJN⁺91]. **Admiral** [Jac]. **Advances** [Des92]. **affine** [CS92a, CS92b]. **affine-frame** [CS92a].
Aids [CJ81]. **aléatoirement** [Bil65, Bil63].
aléatoires [Kah90, MP76, Mur78]. **algebra**

[Pis79]. **algèbre** [Saf87]. **algorithm** [Pap85, TC83]. **Algorithms** [Vet84].
Almost [Pey91, Gap77]. **along** [PK75].
Ambiguities [Fra74, Pat44]. **Analog** [CG87a, LAG92]. **analyse** [CM91].
Analysis [BL93, BT93a, CMW92, CW85, Fra74, GS88, HO85, Hou90, MY72, MM79, MZ74, Pat44, RT71, SE90, SW71, Tow81, B⁺88, Wic91, Wie30]. **Analysis/Synthesis** [SE90]. **Analytic** [Bel59, Zah86a, Zah86b].
analytiques [Kah87]. **Angle** [BLG83, SKL85, TC83]. **Antoni** [Zyg89].
any [CS92a]. **Apparatus** [BT93a]. **Appl** [SIA90]. **Application** [EG77].
Applications [BL93, BF93, Chu90b, Chu90a, Chu92c, GS58, Pap62, RBC⁺92, Zah86a, Gap77, Jer77, Kal90]. **Approach** [Bla82, Hag90, LJN⁺91, Byr94].
Approximate [Sch62, Wic91].
Approximation [BS92, Cyb89a, Cyb89b, Cyb88, Fre62, HJ90, Mal89b, DPS92, LT90].
Arbitrary [Chu85, Vai87]. **Architecture** [CG87b]. **Arising** [Sch63]. **Arithmetic** [Pis83]. **Arrays** [Sch60, Byr94]. **ART** [LJN⁺91]. **ART2** [CG87a, ZdA91]. **Aspects** [Fla91]. **Assessing** [DS83]. **Assessment** [Fow83]. **Associative** [Spe88]. **Asymmetry**

[Hel72]. **Atomes** [Per14]. **Audio** [Vel92]. **Auditory** [BBN⁺92, Ben90, BBS92, BT92b, BT93b, Gre88, LAG92, War82, YWS92, BT92a, Sha85a, Sha85b]. **Availability** [Fow83].

Banach [Gar77, HJ77, HJ74, LT91, MP76, Pis79, Pis89]. **band** [EG77]. **Bandwidth** [Chu85]. **Banks** [Vai92, Vet87]. **Based** [Hum86, LJN⁺91, WC92, Yse90]. **Bases** [Aus92, Mal89b, AWW92, DW92, Dau88, Per91]. **basis** [DW91, WC92]. **bat** [SSD92]. **be** [Kah69]. **Bessel** [CS92b]. **best** [WC92]. **Between** [Hel72]. **Beyond** [Sch92]. **Binary** [NK73]. **biorthogonal** [DW91]. **Bit** [Vel92, SA85]. **Blackwell** [RN53]. **bodies** [Pis89]. **Borell** [Pis78b]. **bornées** [Bil65, Bil63, Kah57, KK83]. **bounded** [CQ92]. **Bounds** [Byr94]. **box** [CSW92]. **box-spline** [CSW92]. **Broad** [Sch92]. **Brownian** [DP85, Dav83, Dvo63, OT74, Per83, Tay74]. **brownien** [Kah76, Kah74, Lév48, HKK81]. **browniennes** [Kah66]. **Burgers** [LT90]. **Byrnes** [Kör80].

C [Pis78b]. **Calculating** [BA85]. **Capability** [BLG83]. **cardinal** [Hig85]. **Carlemana** [Ole78]. **case** [DP85]. **Category** [CG87a]. **CELP** [SA85]. **central** [Kot82, Sha85b]. **cercle** [KK81, Kah82]. **Certain** [Lit61]. **Channel** [CEG76, Mal89a, Vai87]. **Channels** [Chu85]. **Chaos** [Sch91, CKS91, Kah89]. **characterizations** [Pis83]. **chemical** [Kot82]. **Circuit** [Chu92a]. **circular** [Kah69]. **Clarification** [Fow83]. **Class** [ZdA91, DS52]. **Classification** [Spe88, YC74, ZdA91]. **classifications** [Gro76a, Gro76b]. **Classify** [GS88]. **Classifying** [LJN⁺91]. **Cochlear** [All85, BT93a, PK75]. **Code** [BA83, SA85, TCW88]. **Coder** [TCW88]. **Codes** [CG87a]. **Coding** [BT93a, EG77, SAH79, SE90, Vel92, VU92, Vet84, WO86, AS79, AS70, AS67, Gro76a]. **Coefficients** [Byr88, Byr77, LKK77, Kah80, Kwa76, RN53, Saf87]. **Cognition** [RM88]. **coherent** [Jac83]. **Coifman** [AWW92]. **Command** [Bla82, Dye88]. **Communication** [Gab46, SW49]. **Communications** [Bla82]. **Compact** [BA83]. **Compactly** [CSW92, CW92, Dau88]. **Companies** [Off91]. **Comparative** [ZdA91]. **Comparison** [BJ82]. **Competitive** [GG87]. **Complete** [Byr94]. **complex** [PW34a, PW34b]. **Compression** [BT93a, BT92b, BT93b, Chu92a, Wic92]. **Computation** [DGM90]. **Computational** [Hag90, AL91]. **Computations** [LM83]. **Computer** [DS83, TH74]. **Computerized** [CJ81]. **Computing** [Lip87]. **Concerns** [Jac]. **condition** [Kah69]. **conditions** [MP78]. **Conference** [SIA90]. **conjecture** [RN53]. **Construction** [Chu90a, AWW92]. **continuability** [Zyg33]. **continues** [Bil65, Bil63, LKK77]. **continuity** [KS88a]. **Continuous** [HW89b, HW89a, Rid75]. **contribution** [Kol24]. **Control** [Bla82, Dye88, Jur88]. **convergence** [H89, Gap77, KW87, Kol24, MP78, Pey91, Zyg30]. **convergentes** [Bil65, Bil63, HKK81, KK81]. **convex** [Pis89]. **Corti** [Zwe91]. **cosine** [AWW92]. **Cotype** [Pri87, BM85]. **Countermeasures** [Bla82, CJ81, Wic83]. **couples** [Saf87]. **Coverings** [NF77, Kah89]. **Crest** [Byr94]. **Crisis** [Dem86]. **Criteria** [AS79]. **criterion** [Lev47]. **critical** [DP85]. **Crossings** [Hur89, Hum86]. **Crystal** [Fra74, Pat44]. **Curve** [RT71]. **Curves** [DGM90, MM79]. **Cuts** [Sch92].

D [RN53]. **dafür** [Ste29]. **d'après** [Pis78b]. **daßder** [Ste29]. **Data** [BT93a, BT92b, BT93b, BM83, CV86, Chu92a, Chu90b, BJ82]. **Decentralized** [Tsi86]. **Decimated** [Vai87]. **decimation**

[CEG76]. **Decision** [CJ81, RN87, TVB87].
Decisions [Zah87]. **Decoding** [BT93a].
decomposition [CEG76, Pap85].
Decompositions [AH92, Mal89a]. **Deming**
[GG87]. **Density** [Lev40]. **Dependency**
[BA85]. **Design**
[Chu85, Fru81, Vai87, Lev47]. **Designing**
[Bla82]. **Detection**
[CV86, MH80, RT71, Tsi86, Van68, MH92].
Detectors [MT72, Gro76a]. **development**
[Gro76a]. **Deviations** [BHxx]. **Dichotomie**
[BM85, Pri87]. **dictionaries** [MZ92].
Differential
[Wie23, DW92, HKRX91, KW84, Kal90,
KS88b, Lia90, LM91, Per91, Wal86].
Diffusion [KMW90]. **diffusions**
[KS88b, Kot82]. **Digital**
[Coh92, GW87, SAH79, VD89, VU92].
Dilation [Aus92]. **dimension**
[GLRT90, Per83, Sal50]. **dimensional**
[BBE89, KW84, Kal90, SKL85, Wei 2].
Dimensions [SA90]. **Directed** [Hag90].
disc [Mur81, Off72]. **Discrete**
[Chu90b, HW89b, HW89a, MT72].
Distributed [RN87, RM88, KW84].
Distribution
[Kah87, PK75, LO48, Mur78, Mur81, Off72].
distributions [Mit81]. **does** [OT74].
domain [PW34a, PW34b]. **driven**
[HKRX91, KPA88]. **droite** [Mal59]. **duality**
[CW92]. **duals** [CKS91, KMW90].
dynamics [Wei 2].

Ear [SAH79, Sch74, SSD92]. **Edge**
[MH80, RT71]. **Effectiveness** [BA85, DS83].
Efforts [Off91]. **Eigenschaft** [Ban30].
element [Yse90]. **élémentaires** [IJK65].
elements [Jac83]. **elliptic**
[GLRT90, Jaf90, Tch91]. **Emphasis** [Fla91].
Empirical [BM83]. **Employing** [Byr88].
Engr [SIA90]. **Ensembles**
[Pis78a, Dru70, Kah66]. **Entropy**
[WC92, Ben87, Pap81, Wei 2]. **Equal**
[Byr88, Chu85]. **Equation**
[TH74, CKS91, KW84, LT90, SKL85, TC83].
equations
[HKRX91, KPA88, Kal90, KMW90, KS88b,
KR81, Lia90, LM91, Per91, Wal86]. **ergodic**
[Hou92]. **Error**
[AS79, Beu66, RHW88, Lev47]. **Espaces**
[Pri87, BM85, MP76]. **Estimates** [BHxx].
Estimation [Ben91, Van68, YC74, Zah86b,
Kav79, Pap81, Pap85]. **étude** [Kol24].
Euclidean [SW71]. **Evaluation**
[Bla82, ZdA91]. **everywhere**
[Gap77, Pey91]. **evoked** [Sha85b].
evolution [KPA88, KR81]. **Excited**
[TCW88, SA85]. **expansions**
[DGM86, YT67]. **expectation** [Gro76b].
Experimental [MM79, BJ82]. **Exploiting**
[SAH79]. **Explorations** [RM88].
Extensions [SA90, Jer77]. **Extremal**
[New65, Sha51, Saf87].

Face [IRY92]. **Factor**
[Aus92, Byr94, Wic91]. **fail** [OT74]. **Fast**
[Wic91, Jaf90]. **feature** [Gro76a]. **Feedback**
[Gro76b]. **fenêtre** [CM91]. **fiber** [PK75].
Field [LM83]. **Fields** [ZH84]. **Filter**
[Byr88, Chu85, Vai92, Vet87, Lev47]. **Filters**
[BT93a, EG77, SA90, Vai87, Byr94].
Finding [Zwe91]. **finite** [Yse90]. **Five**
[Hig85]. **fonctions**
[LKK77, Kah57, Kah87, KK83]. **Forms**
[GS58]. **Formula** [BBE89, Ben91].
Formulas [Chu90a]. **Foundations** [AR88].
Fourier [CM91, You80, Bil65, Bil63, LKK77,
DS52, Fre66, Hou90, HKK81, KK81, IJK65,
Kah86, KK83, Kah82, Kol24, Ole81, PW34a,
PW34b, Pap62, Saa79, SW71].
Fourierreihen [Szi27]. **Fouriersche** [Fre62].
Fractals [Sch91]. **frame** [CS92a]. **Frames**
[BW93, BL93, Ben92a, CS92b]. **framework**
[CD91]. **free** [Beu66]. **Frequency**
[CGT89, Fla91, MZ92]. **Freud** [Kah86].
Function [Cyb89a, Cyb89b, Cyb88, FJW91,
LO48, Off72]. **Functional** [M⁺88, Ost93].
Functions [BS70, Byr94, Gap77, Kah85,

- PZ32, PWZ33, PZ30, Rid75, Sal50]. **funktsii** [Ole78, Saa79]. **Fusion** [CV86, Hag90, Per87, TVB87].
- Gabor** [BW93]. **Galerkin** [DW91, Gop 2]. **Gap** [Lev40]. **gaps** [Fre66, Rud60]. **Gaussian** [Kah83, MT72]. **Gaussiennes** [Kah87]. **Gaussiens** [Pis78a]. **Gaussovskie** [Hru81]. **general** [CD91]. **Generalized** [Benxx, Wie30]. **genetics** [FV81]. **géométrie** [MP76]. **geometry** [Pis89]. **Geza** [Kah86]. **GHz** [AL91]. **given** [Sal50]. **gladkosti** [Saa79]. **Grenze** [Ste29]. **Growing** [NK73]. **Guide** [GG87, Inc89].
- Hadamard** [Fre66]. **Handbook** [Jur88, Sko70]. **harmonic** [Wie30]. **Hausdorff** [Per83, Sal50]. **Having** [Vai87]. **Hearing** [LMNY82, Pic88, Sch75]. **Hidden** [GS88]. **Hierarchy** [Zah86a, Zah86b]. **High** [Kav79, SA85]. **Homéomorphismes** [KK81, Kah82]. **homogeneous** [Pis79]. **Homometric** [RS82]. **Human** [MZ74, SAH79]. **Hybrid** [IRY92]. **hydrodynamics** [Wei 2]. **hyperbolic** [GLRT90].
- IFD** [BLG83]. **ihre** [Ste29]. **II** [Gro76b, Inc89, Sha85b, ZdA91, Zyg68]. **illusions** [Gro76b]. **Image** [BA83, GW87, KJ55, MZ74]. **Images** [Kah66, LJN⁺91, Mal89a, WO86, ZdA91]. **Impedance** [Zwe91]. **importance** [Jac83]. **impossibilité** [Mal59]. **Improve** [Off91]. **indépendantes** [MP76]. **independent** [HJ74]. **inégalités** [Pis78b]. **Inference** [Gib71]. **Infinite** [KW84, Kal90, Sch91]. **Information** [ZH84]. **Infra** [ZdA91]. **Infra-red** [ZdA91]. **Infrared** [LJN⁺91]. **Inhibiting** [MY72]. **inhibition** [Sha85b]. **Input** [CG87a]. **Instant** [BS70]. **instants** [Kah76]. **Integral** [Pap62, LO48]. **Integral'nie** [Saa79]. **integrals** [Gap77]. **Interface** [LM83]. **Internal** [RHW88]. **International** [SIA90]. **Interpolation** [Chu90b, Chu90a, HJ90, CD91, CEG76, Pir67]. **interpolation/decimation/tree** [CEG76]. **interpolatory** [YT67]. **Interpretation** [Sab78]. **interval** [CQ92]. **Introduction** [Chu92b, Hov88, Lip87, Pic88, SW71, You80, Wal86]. **Invariants** [Pri87, BM85]. **Irregular** [Ben92a, BT93a, BBN⁺92, Ben90, BBS92]. **irrégularité** [Kah74]. **irregularities** [Tay74]. **irregularly** [Beu66]. **ispravlenii** [Hru81]. **iterated** [OT74].
- J.S.** [Kör80]. **Jordan** [Hal91, Jac]. **Judgment** [CW85].
- Kahane** [Pis78b]. **Kbps** [TCW88]. **Khintchine** [Pis78b]. **Khintchine-Kahane** [Pis78b]. **koeffitsienti** [Saa79]. **Konvergenz** [Szi27]. **Konvergenzkreis** [Ste29].
- lacunaires** [H89, IIK65]. **lacunary** [Kah86, Pey91, Zyg30, Zyg32]. **lakunären** [Ban30]. **Language** [LMNY82]. **Laplacian** [BA83]. **Lapped** [Mal92]. **Large** [BHxx, Kot82]. **Lateral** [Sha85b]. **Law** [Kot82, OT74]. **Laws** [Sch91]. **Layered** [GS88]. **Learning** [RHW88]. **lecons** [Kah82]. **Lectures** [Dau92]. **Levinson** [Pap85]. **limit** [Kot82]. **line** [Ben87]. **Linear** [Hou90, NB70, Sch60, TCW88, B⁺88, GLRT90, SA85]. **Linguistic** [MM79]. **Littlewood** [FJW91]. **Littlewood-Paley** [FJW91]. **Local** [AWW92, CD91]. **locale** [Kah74]. **logarithm** [OT74]. **Long** [TH74]. **Long-Range** [TH74]. **loss** [BJ82]. **Lossless** [Chu92a]. **Losslessness** [VD89]. **Low** [Byr94, SA85]. **Lücken** [Szi27].
- Machine** [CG87b]. **Magnitude** [Byr88]. **Making** [CJ81]. **Malliavin** [Kah59]. **Management** [Sch92, Off91]. **Manufacturing** [Sch92]. **Mapping** [Spe88]. **Markov** [FV81]. **Martingales**

[Mit81, KPA88]. **Masking** [Hel72, SAH79]. **Massively** [CG87b]. **Matching** [MZ92]. **Mathematical** [Sch60, SW49]. **Mathematics** [BF93]. **mathématiques** [Sal67]. **Matrices** [CW85]. **Maximally** [Vai87]. **Maximum** [Pap81, Ben87]. **McKean** [CKS91]. **McKean-Vlasov** [CKS91]. **Mean** [Lit61]. **measurable** [Gap77]. **measure** [FV81, KS88b]. **measure-valued** [FV81, KS88b]. **measures** [HKRX91, KS88a]. **Memories** [Sch63]. **Memory** [Spe88]. **Menchoff** [Kat75]. **Men'sova** [Hru81]. **Message** [Ost93]. **Meta** [HO85]. **Meta-Analysis** [HO85]. **Method** [BT93a, Chu92a, TH74, Zah86a, Gop 2, Per91]. **Methods** [BS92, BM83, CGT89, Fla91, HO85, SIA90, Sch62, Zah86b, DW91, DPS92, Jaf90, WC92]. **metric** [Kah69]. **Meyer** [AWW92]. **Microstructure** [RM88]. **Millimeter** [AL91]. **minimum** [Ben92b]. **Minutes** [Sch91]. **Mirror** [Chu85, EG77, SA90, Vai87, Byr94]. **Model** [Ben90, BA85, LM83, LAG92, Wal81]. **modeling** [All85]. **Models** [BBN⁺92, BBS92, BT92b, BT93b, DS83, Mal89a, Sch75, BJ82, KW84, KW87]. **Modern** [VD89]. **Modulation** [Van68]. **moduli** [Saa79]. **Modulus** [Byr77, Ben92b]. **MOEs** [Wic83]. **Moment** [Gop 2]. **monotonic** [Sal50]. **motion** [Dvo63]. **motivated** [BT92a]. **Mouvement** [HKK81, Kah74, Kah76, Lév48]. **moyenne** [Kah57]. **moyenne-périodiques** [Kah57]. **Multi** [ZdA91]. **Multi-Class** [ZdA91]. **Multidimensional** [M⁺88, Vet84]. **Multifrequency** [Mal89a]. **Multilevel** [DK92, BPX90, Yse90]. **Multiple** [CV86, Per87, SA90, TVB87]. **multiplication** [Kah89]. **multiplicative** [Kah89]. **multiplicity** [Sal44]. **Multiprocessors** [Ost93]. **Multiqueuing** [Sch62]. **Multirate** [Vai92, Vet87]. **Multiresolution** [BL93, Mal89b, VU92]. **Multiscale** [AH92]. **Multivariate** [HJ90]. **mutual** [KS88a]. **Mutually** [MY72]. **natürliche** [Ste29]. **NAVSEA** [Fow83]. **Necessary** [MP78]. **nerve** [PK75, Sha85a, Sha85b]. **Nets** [Lip87]. **Network** [DAR90, GS88, IRY92, LJN⁺91]. **Networks** [MY72, Per87, Spe88, ZdA91]. **Neural** [CG87b, DAR90, IRY92, Lip87, LJN⁺91, Per87, Spe88, ZdA91, Gro76a, Wal81]. **NeuralWorks** [Inc89]. **Neurocomputing** [AR88, HN90]. **Neurodynamics** [Ros59]. **neuronal** [KW87]. **Neurons** [MY72, KW84]. **neustranimymi** [Ole78]. **Noise** [BT93a, Hel72, MT72]. **noisy** [Kav79]. **non** [Jac83, MT72]. **non-coherent** [Jac83]. **non-Gaussian** [MT72]. **Nonharmonic** [You80, DS52]. **Nonlinear** [BT93a, BS, GLRT90]. **nonorthogonal** [DGM86]. **Nonparametric** [Gib71]. **Nonseparable** [SA90]. **Nonstationary** [Fla91]. **nonuniform** [YT67]. **Notch** [Byr88]. **Note** [NK73]. **Notes** [PWZ33]. **Nuclear** [HKRX91, CKS91, KPA88, KMW90]. **Num** [SIA90]. **Number** [Chu85]. **numbers** [Kot82]. **Numerical** [BS92, Lia90]. **ob** [Hru81]. **oblate** [AL91]. **Ocean** [LM83, TH74]. **odd** [CS92a]. **Oeuvres** [Bor72, Sal67]. **Offensive** [Hal91, Wic83]. **often** [OT74]. **olfaction** [Gro76b]. **Ondelettes** [Mey90]. **One** [Byr77, GLRT90]. **Opérateurs** [Mey90]. **Operational** [Fow83, Fru81]. **operators** [DW92, DPS92, Tch91]. **Optimal** [CV86, RN87, TVB87, Byr94]. **Optimizing** [SAH79]. **ordinary** [LM91]. **Organ** [Zwe91]. **Organisation** [CG87a]. **Organising** [CG87b]. **Orthogonal** [Mal92]. **Orthonormal** [Dau88, Mal89b, Byr94]. **oscillation** [Dvo63]. **osobennostjami** [Ole78]. **oversampling** [CS92a].

- Packets** [BS, Wic92]. **Painless** [DGM86].
Paley [FJW91]. **papers** [Zyg89]. **Parabolic** [TH74, GLRT90, SKL85, TC83]. **Paradise** [Sch91]. **Parallel** [BPX90, CG87b, Ost93, RM88, Gro76a].
parfaits [Kah66]. **partial** [KS88b, Lia90, Per91, Wal86]. **partition** [PK75]. **partout** [H89]. **Parts** [ZdA91].
Passing [Ost93]. **path** [OT74, Tay74].
Pathology [Sch74]. **Pattern** [CG87b, YC74, Gro76a, Gro76b]. **Patterns** [CG87a]. **Paul** [Kah59]. **Perception** [MZ74, War82]. **peremennoy** [Ole81].
Perfect [CEG76, Vai87].
Perfect-reconstruction [Vai87].
Performance [RN87, Off91]. **périodiques** [Kah57]. **Periphery** [Gre88, LAG92]. **Phase** [CGT89, Hur89]. **Physiology** [Pic88].
pjada [Ole81]. **Plancherel** [BBE89, Ben91].
Planning [Hag90]. **plicants** [Jac83]. **PNN** [ZdA91]. **points** [DP85, Dav83, Kah83, Per83]. **pointwise** [Hou92]. **Poisson** [HKRX91]. **Policy** [Fow83]. **polynômes** [Kah80, Saf87].
polynomial [Kör80]. **Polynomials** [BHxx, Byr77, Lit61, New65, Sha51, Ben92b].
population [FV81]. **Position** [GG87].
potentiel [Kah90]. **Potenzreihe** [Ste29].
Pour [Pri87, BM85]. **Power** [Sch91, Sha51, RN53, Zyg33]. **Practice** [Off91]. **preconditioners** [BPX90, Yse90].
preconditioning [DK92]. **prediction** [B⁺88, Lev47, SA85]. **Predictive** [AS79, AS67, TCW88, AS70]. **preserves** [CS92a]. **presque** [H89]. **prime** [Jac83].
Principle [Byr94, CW92]. **Principles** [Ros59, Sab78, Uri83]. **Probabilistic** [Spe88]. **probabilities** [Mit84]. **Probability** [HJ77, LT91, Pap91]. **Problem** [New65, Sch62, Sch63, Pir67]. **Problème** [Saf87]. **Problems** [Erd57, NB70, Sha51, GLRT90, Jaf90]. **Proc** [SIA90]. **Process** [Zah86a, Zah86b, Dvo63].
Processes [Pap91, Bel59, FV81, Kah83, Pir67].
Processing [Coh92, CMW92, Fla91, GW87, KJ55, Mal92, RV91, RM88, VD89, MH92, Sha85a, Sha85b].
Processus [Lév48, Pis78a]. **product** [KS88a]. **products** [Bou85, Kah91, Pey91].
produits [H89]. **Professional** [Inc89].
Programming [Ost93, Zah87].
Propagation [AL91, CKS91, RHW88, TH74]. **Properties** [SAH79, SZ54, YT67]. **property** [Vai87].
protsessi [Hru81]. **pseudo** [DW92].
pseudo-differential [DW92].
pseudodifferential [DPS92]. **Pursuits** [MZ92]. **Pyramid** [BA83].
Quadrature [Chu85, EG77, SA90, Vai87, Byr94].
Qualitative [Zah87, Ben87]. **Quality** [GG87, Jur88, Sch92, Off91, SA85]. **Quatre** [Kah82]. **Question** [Hal91]. **Queueing** [Sch63].
Radar [Sko70]. **Rademacher** [Kwa76].
RADM [Hal91]. **Rain** [AL91]. **raindrops** [AL91]. **ralentissement** [Kah76]. **Random** [BHxx, Kah89, NF77, Pap91, Bel59, Gar77, HKRX91, HJ74, Kah91, Kah85, LO48, MP78, Mit81, Mur81, Off72, PWZ33, Pir67, RN53, SZ54]. **Randomly** [Rid75]. **Range** [TH74]. **rapport** [H89]. **Rates** [Vel92, SA85]. **Rational** [Aus92]. **ray** [Fra74, Pat44]. **reactions** [Kot82]. **real** [Ben87]. **Rear** [Jac]. **Receptive** [ZH84].
Recirculating [Sch63]. **Recognition** [CG87a, CG87b, IRY92, YC74].
Reconstruction [BT93a, Vai87]. **recording** [Gro76a, Gro76b]. **Recouvrements** [Kah90].
recovery [Beu66]. **red** [ZdA91]. **Regularity** [Tay74]. **regularized** [LT90]. **Reihen** [Ban30, Fre62]. **Related** [BW93].
remarkable [Pis79]. **remarque** [Mur78].
Remarques [CM91]. **Remote** [Sab78, Tow81]. **Representation**

[LAG92, ZH84, BT92a, Sha85a].
Representations
[Hum86, RHW88, YWS92]. **Research**
[AR88]. **Resolution** [LT90, Jaf90, Kav79].
Resonance [LJN⁺91]. **respect** [Pey91].
response [Wal81]. **responses**
[PK75, Sha85a]. **Retrieval** [Hur89]. **Review**
[VU92, Jer77, Pap81]. **Riesz**
[Bou85, H89, Kah91, KS88a, Pey91]. **RMS**
[Lev47]. **Role** [VD89]. **Rudin**
[Benxx, Saf87]. **Rudin-Shapiro**
[Benxx, Saf87]. **Rules** [Tsi86]. **Ryadi**
[Bar61].
s [Ole78]. **Salem** [Saf87]. **samples** [Beu66].
Sampling [Ben92a, BT93a, BBN⁺92, Ben90,
BBS92, B⁺88, Jer77, YT67]. **Satzes** [Szi27].
Scale [Fla91, Hum86, BT92a]. **Scaling**
[M⁺88]. **Scattering** [AL91]. **Scene** [RT71].
Schemes [EG77]. **Sciences** [SIA90]. **Search**
[NB70]. **Selected** [Zyg89]. **Selection**
[Zah87, WC92]. **Self** [CG87a, CG87b].
Self-Organisation [CG87a].
Self-Organising [CG87b]. **Sensing**
[Sab78, Tow81]. **Sensor**
[CV86, Hag90, Hov88, Per87, RN87, TVB87].
Sequences [Byr94, CS92b, Gap77]. **Series**
[Sha51, You80, Zyg68, DS52, Fre66, Hig85,
Kah86, Kah85, Kwa76, MP78, Mur81, PZ32,
PZ30, Pey91, Rud60, RN53, SZ54, Zyg33,
Zyg30, Zyg32, Bor97, Bor96, H89, HKK81,
KK81, IIK65, Kah82, Kol24, Mur78, Bil65,
Bil63, KK83, MP76]. **set** [Kah69]. **Sets**
[RS82, Sal44, Bou85, Kah91, Pis83, Rid75].
SEW [Hal91]. **Shannon** [Jer77]. **Shapiro**
[Benxx, Saf87]. **Ship** [ZdA91]. **shodimost**
[Ole81]. **short** [Hig85]. **Sidon**
[Bou85, Dru70, Pis83, Pis78a, Rid75].
Sigmoidal [Cyb89a, Cyb89b, Cyb88].
Signal [AH92, Coh92, CMW92, Fla91,
Mal92, RV91, VD89, Wic92, BT92a, B⁺88].
Signals [BT93a, MT72, YWS92, AS79,
AS70, AS67, Beu66, Kav79]. **signs** [SZ54].
Silicon [LAG92]. **Simulation**

[MY72, TH74, Zah86b]. **sine** [AWW92].
singular [Sal50]. **Singularity**
[MH92, KS88a]. **SLLN** [Hou92]. **Slow**
[Kah83, DP85, Dav83, Per83]. **smooth**
[AWW92]. **solution** [GLRT90, Lia90].
solving [Per91]. **Some**
[Erd57, Fla91, FV81, Kah85, SZ54, Vet84,
KS88b, PZ32, PZ30, YT67]. **sommes**
[Kah64]. **Sonar** [GS88]. **Sound** [Uri83].
sounds [Sha85a]. **Source** [Vel92]. **Space**
[CGT89, Hum86, Gar77, GLRT90, HKRX91,
HJ74, KPA88, Pis89, Wie23]. **space-valued**
[KPA88]. **spaced** [Beu66]. **Spaces**
[BW93, FJW91, SW71, CKS91, HJ77,
KMW90, LT91, Yse90]. **spatial** [LT90].
spatially [KW84]. **Specification** [Fow83].
Spectral
[Ben91, Hou92, Kav79, Pap81, Pap85].
spectrale [Mal59]. **spectrum** [Sal50].
Speech [LMNY82, LAG92, SAH79, Sha85a,
Sha85b, AS79, AS70, AS67, SA85].
Spherical [Ben91, AL91]. **spheroidal**
[AL91]. **Spline** [LM91, CW92, CSW92].
Splines [Chu90b]. **Split** [EG77, TC83].
Split-band [EG77]. **split-step** [TC83].
Splitting [CEG76, Yse90]. **stability** [YT67].
Stable [CG87a]. **Statistical** [Gib71, HO85].
step [TC83]. **Stochastic** [Hou90, KPA88,
KS88b, KR81, Pap91, Gap77, HKRX91,
KW84, Kal90, KW87, Wal81, Wal86].
stochastiques [Lév48]. **stories** [Hig85].
Structural [BM83]. **Structure**
[RS82, Saf87]. **Structures** [Fra74, Pat44].
Study [DAR90, FJW91, Zah86b, AL91].
Subband [SE90, Vet84, WO86]. **Subjective**
[AS79, CW85]. **Sucectvovanie** [Ole78].
sufficient [MP78]. **Sums** [Gar77, HJ74].
Superpositions [Cyb89a, Cyb89b, Cyb88].
superpozitsii [Saa79]. **Supervised** [IRY92].
Supervised/Unsupervised [IRY92].
supported [CW92, CSW92, Dau88].
Suppression [BT93a]. **Surfaces** [DGM90].
Survey [Zah86a]. **Swath** [Sch92]. **synthèse**
[Mal59]. **Synthesis** [SE90]. **System**

- [BA85, Sha85a, Sha85b]. **Systems** [CV86, Hov88, RN87, TVB87, Benxx, Jac83].
- T&E** [Bla82]. **Targets** [GS88, LJN⁺91].
- Task** [Hag90]. **Taylor** [Bor97, Bor96, Mur78, Mur81]. **Techniques** [SE90, VU92, CEG76]. **Technology** [Des92].
- Television** [VU92]. **Ten** [Dau92]. **Teorema** [Hru81]. **terms** [SZ54]. **Terrain** [Tow81].
- Test** [Bla82]. **Tests** [Fru81]. **Their** [Chu90b, GS58, RBC⁺92]. **theorem** [Ben87, B⁺88, Gap77, Gop 2, Hou92, Jer77, Kat75, Kot82, Kwa76]. **théorème** [Kah59].
- Théorèmes** [IIK65]. **Theorems** [Lev40, NF77]. **théorie** [Kah90]. **Theory** [BS92, Chu92c, FJW91, Gab46, LJN⁺91, MH80, Sch60, SW49, Vai87, Van68, Vet84, FV81]. **three** [BJ82, SKL85].
- three-dimensional** [SKL85]. **Threshold** [Tsi86]. **tight** [CS92a]. **Tightness** [Mit84].
- Time** [CGT89, Fla91, MT72, BT92a, MZ92].
- Time-Frequency** [CGT89, Fla91, MZ92].
- Time-Scale** [Fla91, BT92a]. **Toeplitz** [GS58]. **Tone** [Hel72]. **Tool** [BA85]. **Total** [Sch92]. **Trained** [GS88]. **Transduction** [Gre88]. **transfer** [Wei 2]. **Transforms** [HW89b, HW89a, Mal92, PW34a, PW34b].
- transmission** [BJ82]. **Treatment** [BM83].
- tree** [CEG76]. **Trees** [NK73].
- Trigonometric** [BHxx, Lit61, Rud60, Zyg68, Ben92b, MP78, Pey91, SZ54, Zyg30, Zyg32].
- Trigonometriceskie** [Bar61].
- trigonométriques** [H89].
- trigonometrische** [Fre62].
- trigonometrischen** [Ban30]. **Tutorial** [Chu92c, Jer77]. **Two** [Yse90, Wei 2].
- u** [Saa79]. **U.S** [Off91]. **Uncertainty** [Byr94]. **Underwater** [Uri83]. **Unified** [Byr94]. **uniform** [MP78]. **uniformément** [Bil65, Bil63]. **unimodulaires** [Kah80].
- uniqueness** [Kah69, Sal44]. **unit** [Mur81, Off72]. **Units** [GS88]. **universal** [Gro76a, Gro76b]. **Unsolved** [Erd57].
- Unsupervised** [IRY92]. **use** [CEG76].
- Useful** [Wic83]. **Users** [Inc89]. **Using** [BT93a, IRY92, TH74, LT90, Per91].
- valeurs** [Kah87, Mur78]. **Value** [Mur81].
- valued** [FV81, Gar77, HKRX91, HJ74, KPA88, KS88b]. **Values** [Lit61, LO48, Off72].
- Variables** [Pap91, Gar77, HJ74, MP76]. **various** [Jer77]. **vector** [Kwa76]. **vectorielles** [Kah64, MP76]. **Verallgemeinerung** [Szi27]. **Vertex** [Chu90b]. **very** [SA85].
- Visual** [RT71, ZH84]. **Vlasov** [CKS91].
- Voice** [EG77]. **Voiced** [LAG92].
- Voiced-Speech** [LAG92]. **volume** [Pis89].
- Wahrscheinlichkeit** [Ste29]. **Walsh** [BS70].
- Warfare** [Dye88]. **Wave** [AL91, LM83, SKL85]. **Wavelet** [Aus92, BT93a, BS, BBN⁺92, Ben90, BBS92, BT92b, BT93b, CMW92, DW91, DW92, DPS92, GLRT90, HW89b, HW89a, Jaf90, Mal89a, Mal89b, Wic92, Gop 2, LT90, Per91].
- Wavelet-Galerkin** [DW91, Gop 2].
- Wavelets** [BF93, Chu92b, CQ92, Chu92c, Coh92, CGT89, Dau92, Lia90, RV91, RBC⁺92, Vai92, Wei 2, AWW92, CW92, CSW92, Dau88, LM91, MH92, Tch91].
- Weak** [KW87]. **whose** [SZ54, Sal50]. **Wide** [BLG83, SKL85, TC83]. **wide-angle** [SKL85, TC83]. **Wiener** [BBE89, Ben91, Lev47].
- Wiener-Plancherel** [BBE89, Ben91]. **Wold** [Pap85].
- X** [Fra74, Pat44]. **X-ray** [Fra74, Pat44].
- Zamena** [Ole81]. **Zero** [Hum86, Hur89].
- Zero-crossings** [Hum86]. **zeros** [LO48, Kah76]. **Zygmund** [Zyg89].

References

- Akansu:MSD-92**
- [AH92] Ali Akansu and R. Haddad. *Multiscale Signal Decompositions*. Academic Press, New York, 1992.
- Aydin:IGRS-29-593**
- [AL91] K. Aydin and Y. Lure. Millimeter wave scattering and propagation in rain: A computational study at 94 and 140 GHz for oblate spheroidal and spherical raindrops. *IEEE Trans. Geo. Remote Sensing*, 29(4):593–601, July 1991.
- Allen:CM-2-85**
- [All85] J. Allen. Cochlear modeling. *ASSP Magazine*, 2:3–29, 1985.
- Anderson:NFR-88**
- [AR88] J. Anderson and E. Rosenfeld. *Neurocomputing: Foundations of Research*. MIT Press, Cambridge, MA, 1988.
- Atal:PC-67-360**
- [AS67] B. Atal and M. Schroeder. Predictive coding of speech signals. *Proc. 1967 Conference on Communications and Processing*, pages 360–361, November 1967.
- Atal:BST-49-1973**
- [AS70] B. Atal and M. Schroeder. Adaptive predictive coding of speech signals. *Bell Sys. Tech. J.*, 49:1973–1986, 1970.
- Atal:ASSP-27-247**
- [AS79] B. Atal and M. Schroeder. Predictive coding of speech signals and subjective error criteria. *IEEE Trans. ASSP*, 27:247–254, 1979.
- Auscher:WTA92-439**
- [Aus92] P. Auscher. Wavelet bases for $L^2(\mathbb{R})$ with rational dilation factor. In Ruskai et al. [RBC⁺92], pages 439–452.
- Auscher:WTTA-92-237**
- [AWW92] P. Auscher, G. Weiss, and M. V. Wickerhauser. Local sine and cosine bases of Coifman and Meyer and the construction of smooth wavelets. In Chui [Chu92c], pages 237–256.
- Butzer:STL-JDM-90-1**
- [B⁺88] P. Butzer et al. The sampling theorem and linear prediction in signal analysis. *Jber. Deutsch. Math.—Verein*, 90:1–70, 1988.
- Burt:ICOMM-31-562**
- [BA83] P. Burt and T. Adelson. The Laplacian pyramid as a compact image code. *IEEE Trans. Comm.*, COM-31:532–540, 1983.
- Byrnes:IREL-85-17**
- [BA85] J. S. Byrnes and Robert C. Angel. The dependency model: A tool for calculating system effectiveness. *IEEE Trans. Reliability*, R-34(1):17–23, April 1985.
- Banach:SM-2-207**
- [Ban30] S. Banach. Über eine eigenschaft der lakunären trigonometrischen reihen. *Studia Math.*, 2:207–220, 1930.

- | | |
|--|---|
| <div style="text-align: center; border: 1px solid black; padding: 2px;">Bari:TCR-61</div> <p>[Bar61] Nina Bari. <i>Trigonometričeskie Ryadi</i>. Gos. izd-vo fiziko-matematicheskoi lit-ry, Moscou, Russia, 1961.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:AAP-10-457</div> <p>[BBE89] J. Benedetto, G. Benke, and W. Evans. A n-dimensional Wiener-Plancherel formula. <i>Adv. Appl. Math.</i>, 10:457–487, 1989.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:PRO-92-2</div> <p>[BBN⁺92] J. J. Benedetto, J. S. Byrnes, D. J. Newman, H. S. Shapiro, and A. Teolis. Wavelet auditory models and irregular sampling. Technical Report AR-92-2, Prometheus Inc., 1992. Annual Phase II report.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:WAM-92-2</div> <p>[BBS92] J. Benedetto, J. S. Byrnes, and H. S. Shapiro. Wavelet auditory models and irregular sampling. Monthly status report, February 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Belayev:TPA-4-402</div> <p>[Bel59] Yu.K. Belayev. Analytic random processes. <i>Theor. Probability Appl.</i>, 4:402–409, 1959.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:IEPT-10-761</div> <p>[Ben87] J. Benedetto. A qualitative maximum entropy theorem for the real line. <i>Integral Equations and Operator Theory</i>, 10:761–779, 1987.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:Prometheus-90-1</div> <p>[Ben90] J. Benedetto. A wavelet auditory model and irregular sampling. Technical Report 90-1, Prometheus Inc., 1990.</p> | <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:SMA-22-1110</div> <p>[Ben91] J. Benedetto. The spherical Wiener-Plancherel formula and spectral estimation. <i>SIAM J. Math. Anal.</i>, 22:1110–1130, 1991.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:ISF-92-445</div> <p>[Ben92a] John Benedetto. Irregular sampling and frames. In Chui [Chu92b], pages 445–507.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benke:PAMS-113-757</div> <p>[Ben92b] G. Benke. On the minimum modulus of trigonometric polynomials. <i>Proc. Amer. Math. Soc.</i>, 114(3):757–761, March 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benke:JFAA-ta</div> <p>[Benxx] G. Benke. Generalized Rudin-Shapiro systems. <i>Journal of Fourier Analysis and Applications</i>, 19xx. To appear.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Beutler:SIAM-8-328</div> <p>[Beu66] F. Beutler. Error free recovery of signals from irregularly spaced samples. <i>SIAM Review</i>, 8:328–335, 1966.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:WMA-93</div> <p>[BF93] J. Benedetto and M. Frazier, editors. <i>Wavelets: Mathematics and Applications</i>. CRC Publishers, Boca Raton, FL, 1993.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benke:ELD-pre</div> <p>[BHxx] George Benke and W. J. Hendricks. Estimates for large deviations in random trigonometric polynomials, 19xx. Preprint.</p> |
|--|---|

- Billard:SM-22-309**
- [Bil63] P. Billard. Séries de Fourier aléatoirement bornées, continues, uniformément convergentes. *Studia Math.*, 22:309–329, 1963.
- Billard:ASENS-82-131**
- [Bil65] P. Billard. Séries de Fourier aléatoirement bornées, continues, uniformément convergentes. *Ann. Scient. Ec. Norm. Sup.*, 82:131–179, 1965.
- Boyles:JHAPLTD-3-67**
- [BJ82] C. A. Boyles and G. W. Joice. Comparison of three acoustic transmission loss models with experimental data. *Johns Hopkins APL Tech. Dig.*, 3:67–76, 1982.
- Benedetto:ICASSP-93-ta**
- [BL93] J. Benedetto and S. Li. Multiresolution analysis frames with applications. In *Proceedings of ICASSP*, 1993. To appear.
- Blanche:MTR-24155wp**
- [Bla82] Raul C. Blanche. An approach to designing a command, control and communications countermeasures test and evaluation (C^3CM T&E). Working Paper 24155, Mitre Corporation, July 1982.
- Botseas:NUSC-83-6905**
- [BLG83] George Botseas, Ding Lee, and Kenneth E. Gilbert. IFD: Wide angle capability. Technical Report 6905, NUSC, 1983.
- Braverman:SME-83**
- [BM83] E. M. Braverman and I. B. Muchnik. *Structural Methods for Empirical Data Treatment*. Nauka, Moscow, USSR, 1983.
- Bourgain:CRASP-300-263**
- [BM85] J. Bourgain and V. Milman. Dichotomie du cotype pour les espaces invariants. *C.R. Acad. Sci. Paris*, 300:263–266, 1985.
- Borel:CRASP-123-1051**
- [Bor96] E. Borel. Sur les séries de Taylor. *C.R. Acad. Sci. Paris*, 123:1051–1052, 1896.
- Borel:AM-20-243**
- [Bor97] E. Borel. Sur les séries de Taylor. *Acta Math*, 20:243–247, 1897.
- Borel:O-72**
- [Bor72] E. Borel. *Oeuvres*. CNRS Paris, 1972. Tome I.
- Bourgain:AIF-35-137**
- [Bou85] J. Bourgain. Sidon sets and Riesz products. *Ann. Inst. Fourier (Grenoble)*, 35(1):137–148, 1985.
- Bramble:MC-55-1**
- [BPX90] J. H. Bramble, J. E. Pasciak, and J. Xu. Parallel multilevel preconditioners. *Math. Comp.*, 55:1–22, 1990.
- Benedetto:NWP-ip**
- [BS] J. Benedetto and S. Saliani. Nonlinear wavelet packets. In preparation.
- Byrnes:SR-12-131**
- [BS70] J. S. Byrnes and D. A. Swick. Instant Walsh functions. *SIAM Review*, 12:131, 1970.

- | | |
|--|---|
| <div style="text-align: center; border: 1px solid black; padding: 2px;">Braess:NMAT-92</div> <p>[BS92] D. Braess and L. L. Schumaker, editors. <i>Numerical Methods of Approximation Theory</i>. Birkhäuser Verlag, Basel, 1992. To appear.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:STFS-92</div> <p>[BT92a] J. Benedetto and A. Teolis. An auditory motivated time-scale signal representation. In <i>IEEE-SP International Symposium on Time-Frequency and Time-Scale analysis</i>. Victoria, BC, 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:WAMDC-92</div> <p>[BT92b] J. Benedetto and A. Teolis. Wavelet auditory models and data compression. Preprint, 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:NMA-93</div> <p>[BT93a] J. Benedetto and A. Teolis. Non-linear method and apparatus for coding and decoding acoustic signals with data compression and noise suppression using cochlear filters, wavelet analysis, and irregular sampling reconstruction. U.S. Patent pending, 1993.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:WAMDC-93</div> <p>[BT93b] J. Benedetto and A. Teolis. Wavelet auditory models and data compression. <i>Applied and Computational Harmonic Analysis</i>, 1993. To appear.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Benedetto:GFRS-93</div> <p>[BW93] J. Benedetto and D. Walnut. Gabor frames for L^2 and related spaces. In Benedetto and Frazier [BF93].</p> | <div style="text-align: center; border: 1px solid black; padding: 2px;">Byrnes:BLMS-9-171</div> <p>[Byr77] J. S. Byrnes. On polynomials with coefficients of modulus one. <i>Bull. London Math. Soc.</i>, 9:171–176, 1977.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Byrnes:ASSP-36-1783</div> <p>[Byr88] J. S. Byrnes. A notch filter employing coefficients of equal magnitude. <i>IEEE Trans. ASSP</i>, 36(11):1783–1784, 1988.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">quadflat</div> <p>[Byr94] J. S. Byrnes. Quadrature mirror filters, low crest factor arrays, functions achieving optimal uncertainty principle bounds, and complete orthonormal sequences — a unified approach. <i>Applied and Computational Harmonic Analysis. Time-Frequency and Time-Scale Analysis, Wavelets, Numerical Algorithms, and Applications</i>, 1(??):261–266, 1994. ISSN 1063-5203.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Chui:NM-58-569</div> <p>C. K. Chui and H. Diamond. A general framework for local interpolation. <i>Num. Math.</i>, 58:569–581, 1991.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Croisier:ICISS-PCS-76</div> <p>[CEG76] A. Croisier, D. Esteban, and C. Galand. Perfect channel splitting by use of interpolation/decimation/tree decomposition techniques. Presented at the Int. Conf. Inform. Sci. Syst., Patras, Greece, 1976.</p> |
|--|---|

- | | |
|--|--|
| <div style="text-align: center; border: 1px solid black; padding: 5px;">Carpenter:AO-4919</div> <p>[CG87a] G. A. Carpenter and S. Grossberg. ART2: Self-organisation of stable category recognition codes for analog input patterns. <i>Appl. Optics</i>, 26:4919–4930, December 1987.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Carpenter:MPA-37-54</div> <p>[CG87b] G. A. Carpenter and S. Grossberg. A massively parallel architecture for a self-organising neural pattern recognition machine. <i>Computer Vision, Graphics and Image Processing</i>, 37:54–115, 1987.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Combes:WTMPS-91</div> <p>[CGT89] J. M. Combes, A. Grossmann, and Ph. Tchamitchian, editors. <i>Wavelets: Time-Frequency Methods and Phase Space</i>. Springer-Verlag, New York, NY, USA, second (1991) edition, 1989.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Chu:ASSP-33-203</div> <p>[Chu85] Peter L. Chu. Quadrature mirror filter design for an arbitrary number of equal bandwidth channels. <i>IEEE Trans. ASSP</i>, 33(1): 203–218, February 1985.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Chui:MAI-90-11</div> <p>[Chu90a] C. K. Chui. Construction and applications of interpolation formulas. In Haussmann and Jetter [HJ90], pages 11–23.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Chui:CCS-90-137</div> <p>[Chu90b] C. K. Chui. Vertex splines and their applications to interpolation of discrete data. In Dahmen et al. [DGM90], pages 137–181.</p> | <div style="text-align: center; border: 1px solid black; padding: 5px;">Chu:LDCCM-92</div> <p>[Chu92a] K. C. Chu. Lossless data compression circuit and method. U.S. Patent No. 5,150,430, September 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Chui:IW-92</div> <p>[Chu92b] C. K. Chui, editor. <i>An Introduction to Wavelets</i>. Academic Press, New York, 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Chui:WTTA-92</div> <p>[Chu92c] C. K. Chui, editor. <i>Wavelets: A Tutorial in Theory and Applications</i>. Academic Press, New York, 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Czulada:MTR-23905wp</div> <p>[CJ81] J. B. Czulada and J. P. Jacobs. Computerized aids for C^3 countermeasures decision making. Working Paper 23905, Mitre Corporation, November 1981.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Chiang:AMO-91</div> <p>[CKS91] T. S. Chiang, G. Kallianpur, and P. Sundar. Propagation of chaos and the McKean-Vlasov equation in duals of nuclear spaces. <i>Appl. Math. and Optimization</i>, 24:55–83, 1991.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Coifman:CRASP-312-259</div> <p>[CM91] R. R. Coifman and Y. Meyer. Remarques sur l'analyse de fourier à fenêtre. <i>C.R. Acad. Sci. Paris</i>, 312:259–261, 1991.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Coifman:WTA92-153</div> <p>[CMW92] R. R. Coifman, Y. Meyer, and M. V. Wickerhauser. Wavelet analysis and signal processing. In</p> |
|--|--|

- Ruskai et al. [RBC⁺92], pages 153–178.
- Cohen:WTA92-105**
- [Coh92] A. Cohen. Wavelets and digital signal processing. In Ruskai et al. [RBC⁺92], pages 105–121.
- Chui:NMAT-92-a**
- [CQ92] C. K. Chui and E. Quak. Wavelets on a bounded interval. In Braess and Schumaker [BS92]. To appear.
- Chui:TAMU-92-264**
- [CS92a] C. K. Chui and X. L. Shi. $N \times$ oversampling preserves any tight affine-frame for odd N . CAT 264, Texas A&M University, 1992.
- Chui:TAMU-92-267**
- [CS92b] C. K. Chui and X. L. Shi. Bessel sequences and affine frames. CAT 267, Texas A&M University, 1992.
- Chui:TAMU-90-230**
- [CSW92] C. K. Chui, J. Stöckler, and J. D. Ward. Compactly supported box-spline wavelets. CAT 239, Texas A&M University, 1992.
- Chair:AES-22-98**
- [CV86] Z. Chair and P. K. Varshney. Optimal data fusion in multiple sensor detection systems. *IEEE Trans. Aerospace Electronic Systems*, AES-22(1):98–101, January 1986.
- Crawford:R-2572-1-AF**
- [CW85] G. Crawford and C. Williams. The analysis of subjective judgment matrices. Technical Report R-2572-1-AF, Rand Corp., 1985.
- Chui:TAMS-330-903**
- [CW92] C. K. Chui and J. Z. Wang. On compactly supported spline wavelets and a duality principle. *Trans. Amer. Math. Soc.*, 330: 903–915, 1992.
- Cybenko:TuftsCS-88**
- [Cyb88] G. Cybenko. Approximation by superpositions of a sigmoidal function. Technical report, Tufts University, Department of Computer Science, October 1988.
- Cybenko:MCSS-2-303**
- [Cyb89a] G. Cybenko. Approximation by superpositions of a sigmoidal function. *Math. Control, Signals and Sys.*, 2:303–314, 1989.
- Cybenko:MCSS-89-2**
- [Cyb89b] G. Cybenko. Approximation by superpositions of a sigmoidal function. *Math. Control, Signals and Sys.*, 2:303–314, 1989.
- DARPA:NNS-90**
- [DAR90] DARPA. *Neural Network Study*. AFCEA International Press, Fairfax, VA, 1990.
- Daubechies:CPAM-41-909**
- [Dau88] I. Daubechies. Orthonormal bases of compactly supported wavelets. *Comm. Pure Appl. Math.*, 41:909–996, October 1988.
- Daubechies:TLW-92**
- [Dau92] I. Daubechies. *Ten Lectures on Wavelets*. Number 61 in CBMS/NSF Series in Applied Math. SIAM Publ., 1992.

- Davis:ZW-64-359**
- [Dav83] B. Davis. On Brownian slow points. *Z. für Wahrscheinlichkeitstheorie*, 64:359–367, 1983.
- Deming:OC-86**
- [Dem86] W. E. Deming. *Out of the Crisis*. MIT, Center for Advanced Engineering, Cambridge, MA, USA, 1986.
- ED:TA-92**
- [Des92] Electronic Design. Technology advances, January 1992.
- Daubechies:JMPS-27-1271**
- [DGM86] I. Daubechies, A. Grossman, and Y. Meyer. Painless nonorthogonal expansions. *J. Math and Physics*, 27(5):1271–1283, May 1986.
- Dahmen:CCS-90**
- [DGM90] W. Dahmen, M. Gasca, and C. A. Micchelli, editors. *Computation of Curves and Surfaces*. Kluwer Academic Publishers Group, Dordrecht, The Netherlands, 1990.
- Dahmen:MP-Freie-Berlin-92**
- [DK92] W. Dahmen and A. Kunoth. Multilevel preconditioning. Freie Univ. Berlin preprint, 1992.
- Davis:AP-13-779**
- [DP85] B. Davis and E. Perkins. Brownian slow points: the critical case. *Annals of Probability*, 13:779–803, 1985.
- Dahmen:WAMPO-92**
- [DPS92] W. Dahmen, S. Prössdorf, and R. Schneider. Wavelet approxima-
- Druy:CRASP-271-162**
- [Dru70] S. W. Drury. Sur les ensembles de Sidon. *C.R. Acad. Sci. Paris*, 271:162–163, 1970.
- Duffin:TAMS-72-341**
- [DS52] R. Duffin and S. Schaeffer. A class of nonharmonic Fourier series. *Trans. Amer. Math. Soc.*, 72:341–366, 1952.
- Durk:MTR-9140**
- [DS83] Fay S. Durk and Richard W. Safford. Computer models for assessing the effectiveness of C^3CM . Technical Report 9140, Mitre Corporation, November 1983.
- Dvoretzky:IJM-1-212**
- [Dvo63] A. Dvoretzky. On the oscillation of the Brownian motion process. *Israël J. Math.*, 1:212–214, 1963.
- Dahlke:Aachen-91-WGM**
- [DW91] S. Dahlke and I. Weinreich. Wavelet-Galerkin methods: An adapted biorthogonal wavelet basis. Aachen preprint, 1991.
- Dahlke:Aachen-92-WBPO**
- [DW92] S. Dahlke and I. Weinreich. Wavelet bases adapted to pseudo-differential operators. Aachen preprint, 1992.
- Dyer:CCW88**
- [Dye88] Jim Dyer. Command and control warfare, 16 November 1988.
- tion methods for pseudodifferential operators. Preprint, 1992.

- | | |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Esteban:CASSP-77-91</div> <p>[EG77] D. Esteban and C. Galand. Application of quadrature mirror filters to split-band voice coding schemes. In <i>Proc. IEEE Int. Conf. Acoust., Speech, Signal Processing</i>, pages 191–195. Hartford, CT, USA, May 1977.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Erdos:MMJ-4-291</div> <p>[Erd57] Paul Erdős. Some unsolved problems. <i>Michigan Math. J.</i>, 4:291–300, 1957.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fan:CRASP-309-295</div> <p>[H89] Fan Ai-Hua. Sur la convergence de séries trigonométriques lacunaires presque partout par rapport à des produits de Riesz. <i>C.R. Acad. Sci. Paris</i>, 309:295–298, 1989.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Frazier:LPT-91</div> <p>[FJW91] M. Frazier, B. Jawerth, and G. Weiss. <i>Littlewood-Paley Theory and the Study of Function Spaces</i>. CMBS Regional Conference Series 79. American Mathematical Society, Providence, RI, 1991.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Flandrin:WTMPS-91-69</div> <p>[Fla91] P. Flandrin. Some aspects of non-stationary signal processing with emphasis on time-frequency and time-scale methods. In Combes et al. [CGT89], pages 68–98.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fowler:NPCSAOA-83</div> <p>[Fow83] Commander Naval Systems Sea Command Admiral E. B. Fowler. NAVSEA policy clarification for the specification and assessment of operational availability. Memo, February 14 1983.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Franklin:ACA-30-698</div> <p>[Fra74] J. Franklin. Ambiguities in the X-ray analysis of crystal structures. <i>Acta Crystal A</i>, 30:698–702, 1974.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Freud:MZ-78-252</div> <p>[Fre62] G. Freud. Über trigonometrische approximation und fouriersche reihen. <i>Math. Zeitschr.</i>, 78:252–262, 1962.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Freud:SM-1-87</div> <p>[Fre66] G. Freud. On Fourier series with Hadamard gaps. <i>Studia Math.</i>, 1: 87–96, 1966.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Frueauf:MTR-8428</div> <p>[Fru81] Alexander Frueauf. Design of C^3CM operational tests. Technical Report 8428, Mitre Corporation, September 1981.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Fleming:IUM-30-925</div> <p>[FV81] W. H. Fleming and M. Viot. Some measure-valued Markov processes in population genetics theory. <i>Indiana Univ. Math. J.</i>, 30:925–935, 1981.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gabor:JIEEE-93-429</div> <p>[Gab46] D. Gabor. Theory of communication. <i>J. of IEEE</i>, 93:429–457, November 1946.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Gaposhkin:MUS-33-1</div> <p>[Gap77] V. F. Gaposhkin. A theorem on the convergence almost everywhere of measurable functions, and its applications to sequences of stochastic integrals. <i>Math. USSR Sbornik</i>, 33:1–17, 1977.</p> |
|--|--|

- | | |
|---|---|
| <p>Garling:OSU-77</p> <p>[Gar77] D. J. H. Garling. Sums of Banach space valued random variables. Mimeographed lecture notes, 1977.</p> <p>Gitlow:DGQ-87</p> <p>[GG87] Howard S. Gitlow and Shelly J. Gitlow. <i>The Deming Guide to Quality and Competitive Position</i>. Prentice-Hall, Englewood Cliffs, N.J., 1987.</p> <p>Gibbons:NSI-71</p> <p>[Gib71] J. D. Gibbons. <i>Nonparametric Statistical Inference</i>. McGraw-Hill, New York, 1971.</p> <p>Glowinski:NMASE-90</p> <p>[GLRT90] R. Glowinski, W. M. Lawton, M. Ravachol, and E. Tenebaum. Wavelet solution of linear and nonlinear elliptic, parabolic, and hyperbolic problems in one space dimension. In SIAM [SIA90].</p> <p>Gopinath:Aware-92-MTWGM</p> <p>[Gop 2] R. Gopinath. Moment theorem for the wavelet-Galerkin method. Technical report, Aware, 1991-2.</p> <p>Greenberg:JPHN-16-628</p> <p>[Gre88] S. Greenberg. Acoustic transduction in the auditory periphery. <i>J. of Phonetics</i>, 16:628–666, 1988.</p> <p>Grossberg:BC-23-121</p> <p>[Gro76a] S. Grossberg. Adaptive pattern classifications and universal recording, I: Parallel development and coding of neural feature detectors. <i>Biological Cybernetics</i>, 23: 121–134, 1976.</p> | <p>Grossberg:BC-23-187</p> <p>[Gro76b] S. Grossberg. Adaptive pattern classifications and universal recording, II: Feedback, expectation, olfaction and illusions. <i>Biological Cybernetics</i>, 23:187–202, 1976.</p> <p>Grenander:TFA-58</p> <p>[GS58] U. Grenander and G. Szegő. <i>Toeplitz Forms and Their Applications</i>. Berkley University Press, 1958.</p> <p>Gorman>NN-1-75</p> <p>[GS88] R. P. Gorman and T. J. Sejnowski. Analysis of hidden units in a layered network trained to classify sonar targets. <i>Neural Networks</i>, 1: 75–89, 1988.</p> <p>Gonzalez:DIP-87</p> <p>[GW87] R. Gonzalez and P. Wintz. <i>Digital Image Processing</i>. Addison-Wesley, Reading, MA, USA, 2nd edition, 1987.</p> <p>Hager:TDS-90</p> <p>[Hag90] G. D. Hager. <i>Task Directed Sensor Fusion and Planning: A Computational Approach</i>. Kluwer Academic Publishers Group, Dordrecht, The Netherlands, 1990.</p> <p>Hall:JQO91</p> <p>[Hal91] C. R. Hall. RADM Jordan's question on offensive SEW. Memorandum for the Record, 2 December 1991.</p> <p>Hellman:PP-11-241</p> <p>[Hel72] R. P. Hellman. Asymmetry in masking between noise and tone.</p> |
|---|---|

- Perception & Psychophysics*, 11: 241–246, 1972.
- [Hig85] J. R. Higgins. Five short stories about the cardinal series. *Bull. AMS*, 12:45–89, 1985.
- [HJ74] J. Hoffmann-Jgensen. Sums of independent Banach space valued random variables. *Studia Math.*, 52:159–186, 1974.
- [HJ77] J. Hoffmann-Jgensen. Probability in Banach spaces. In *Ecole d’été de probabilités de Saint-Flour 1976*, volume 598 of *Lecture Notes in Mathematics*, pages 1–186. Springer-Verlag, 1977.
- [Hou90] W. Haussmann and K. Jetter, editors. *Multivariate Approximation and Interpolation*. ISNM Series Math. Birkhäuser Verlag, Basel, Switzerland, 1990.
- [HKK81] S. V. Hruščev, J.-P. Kahane, and Y. Katznelson. Mouvement brownien et séries de Fourier absolument convergentes. *C.R. Acad. Sci. Paris*, 292:389–391, 1981.
- [HKRX91] G. Hardy, G. Kallianpur, S. Ramasubramanian, and J. Xiong. Nuclear space valued stochastic differential equations driven by Poisson random measures. Submitted, 1991.
- [HN90] R. Hecht-Nielsen. *Neurocomputing*. Addison-Wesley, Reading, MA, USA, 1990.
- [HO85] V. Hedges and I. Olkin. *Statistical Methods for Meta-Analysis*. Academic Press, New York, 1985.
- [Hou90] C. Houdré. Linear Fourier and stochastic analysis. *Prob. Th. Rel. Fields*, 87:167–188, 1990.
- [Hou92] C. Houdré. On the spectral SLLN and pointwise ergodic theorem in L^α . *Annals of Probability*, 1992. To appear.
- [Hov88] S. Hovanessian. *Introduction to Sensor Systems*. Artech House, Norwood, MA, 1988.
- [Hru81] S. V. Hruščev. Teorema men’sova ob ispravlenii i Gaussovskie protsessi. *Trudy Matem. Inst. Steklov*, 155:151–181, 1981.
- [Hum86] R. Hummel. Representations based on zero-crossings in scale space. Technical Report 225, Courant Inst., Dept. Computer Science, 1986.
- [Hur89] N. E. Hurt. *Phase Retrieval and Zero Crossings*. Kluwer Academic
- Hecht-Nielsen:N-90**
- Hedges:SMM-85**
- Houdre:PTRF-87-167**
- Houdre:AP**
- Hovanessian:ISS-88**
- Hruscev:TMIS-155-151**
- Hummel:CourantCS-225**
- Hurt:PRZ-89**

- Publishers Group, Dordrecht, The Netherlands, 1989.
- Heil:SR-31-628**
- [HW89a] C. Heil and D. Walnut. Continuous and discrete wavelet transforms. *SIAM Review*, 31:628–666, 1989.
- Heil:JSR-31-628**
- [HW89b] C. Heil and D. Walnut. Continuous and discrete wavelet transforms. *SIAM Review*, 31:628–666, 1989.
- Kahane:JAM-14-235**
- [IHK65] M. Izumi, S. I. Izumi, and J.-P. Kahane. Théorèmes élémentaires sur les séries de Fourier lacunaires. *J. Anal. Math.*, 14:235–246, 1965.
- NeuralWare:nPIug-89**
- [Inc89] NeuralWare Inc. *NeuralWorks Professional II Users Guide*, 1989.
- Intrator:FR-92**
- [IRY92] N. Intrator, D. Reisfeld, and Y. Yeshurun. Face recognition using a hybrid supervised/unsupervised neural network, 1992. Preprint.
- Jacobs:RAJC**
- [Jac] J. P. Jacobs. Rear Admiral Jordan's concerns. Memorandum.
- Jackson:IREL-83-21**
- [Jac83] Peter S. Jackson. On the *s*-importance of elements and prime plicants of non-coherent systems. *IEEE Trans. Reliability*, R-32:21–25, April 1983.
- [Jaf90] **Jaffard:LAMM-90-WFRE**
- S. Jaffard. Wavelet methods for fast resolution of elliptic problems. Technical report, LAMM, 1990.
- Jerri:PIEEE-65-1565**
- A. J. Jerri. The Shannon sampling theorem—its various extensions and applications: A tutorial review. *Proc. IEEE*, 65:1565–1596, 1977.
- Juran:JQC-88**
- J. Juran. *Juran's Quality Control Handbook*. McGraw-Hill, New York, 4th edition, 1988.
- Kahane:AIF-7-293**
- [Kah57] J.-P. Kahane. Sur les fonctions moyenne-périodiques bornées. *Ann. Inst. Fourier (Grenoble)*, 7:293–314, 1957.
- Kahane:CRASP-248-2943**
- J.-P. Kahane. Sur un théorème de Paul Malliavin. *C.R. Acad. Sci. Paris*, 248:2943–2944, 1959.
- Kahane:CRASP-259-2577**
- J.-P. Kahane. Sur les sommes vectorielles $\sum \pm u_n$. *C.R. Acad. Sci. Paris*, 259:2577–2580, 1964.
- Kahane:CRASP-263-613**
- J.-P. Kahane. Images browniennes des ensembles parfaits. *C.R. Acad. Sci. Paris*, 263:613–615, 1966.
- Kahane:JAT-2-233**
- J.-P. Kahane. A metric condition for a circular set to be a set of uniqueness. *J. Approx. Th.*, 2:233–246, 1969.

- | | |
|--|--|
| <p>Kahane:CRASP-278-331</p> <p>[Kah74] J.-P. Kahane. Sur l'irrégularité locale du mouvement Brownien. <i>C.R. Acad. Sci. Paris</i>, 278:331–333, 1974.</p> <p>Kahane:CRASP-282-431</p> <p>[Kah76] J.-P. Kahane. Sur les zéros et les instants de ralentissement du mouvement brownien. <i>C.R. Acad. Sci. Paris</i>, 282:431–433, 1976.</p> <p>Kahane:BLMS-12-321</p> <p>[Kah80] J.-P. Kahane. Sur les polynômes à coefficients unimodulaires. <i>Bull. London Math. Soc.</i>, 12:321–342, 1980.</p> <p>Kahane:TMHA-II-956</p> <p>[Kah82] J.-P. Kahane. Quatre leçons sur les homéomorphismes du cercle et les séries de Fourier. In <i>Topics in modern harmonic analysis</i>, volume II, pages 956–990, May–June 1982. Proceedings of a seminar held in Torino and Milano.</p> <p>Kahane:HAZ-83-67</p> <p>[Kah83] J.-P. Kahane. Slow points of Gaussian processes. In <i>Conference in harmonic analysis in the honour of Antoni Zygmund</i>, volume I, pages 67–83. Wadsworth, 1983.</p> <p>Kahane:SRS-85</p> <p>[Kah85] J.-P. Kahane. <i>Some random series of functions</i>. Cambridge University Press, 2nd edition, 1985.</p> <p>Kahane:JAT-46-1-51</p> <p>[Kah86] J.-P. Kahane. Geza Freud and lacunary Fourier series. <i>J. Approx. Th.</i>, 46(1):51–57, 1986.</p> | <p>Kahane:CQM-51-175</p> <p>[Kah87] J.-P. Kahane. Distribution des valeurs des fonctions analytiques Gaussiennes. <i>Colloq. Math.</i>, 51:175–187, 1987.</p> <p>Kahane:LMSLNS-137</p> <p>[Kah89] J.-P. Kahane. Random multiplication, random coverings, multiplicative chaos. In <i>Analysis at Urbana I (Urbana 1986-87)</i>, volume 137 of <i>London Math. Soc. Lect. Note Series</i>, pages 196–255. Cambridge University Press, 1989.</p> <p>Kahane:CQM-40-387</p> <p>[Kah90] J.-P. Kahane. Recouvrements aléatoires et théorie du potentiel. <i>Colloq. Math.</i>, 40–41:387–411, 1990.</p> <p>Kahane:RPR-91</p> <p>[Kah91] J.-P. Kahane. From Riesz products to random sets. Sendai conference, 1990, 1991.</p> <p>Kallianpur:COSMEX89-227</p> <p>[Kal90] G. Kallianpur. Infinite dimensional stochastic differential equations with applications. In <i>Proceedings of the 1989 COSMEX Meeting</i>, pages 227–238. World Scientific, 1990.</p> <p>Katznelson:PAMS-53-396</p> <p>[Kat75] Y. Katznelson. On a theorem of Menchoff. <i>Proc. Amer. Math. Soc.</i>, 53:396–398, 1975.</p> <p>Kaveh:ASSP-27</p> <p>[Kav79] M. Kaveh. High resolution spectral estimation for noisy signals. <i>IEEE Trans. ASSP</i>, 27, 1979.</p> |
|--|--|

- Kovaszny:IRE-560**
- [KJ55] L. Kovasznay and H. Joseph. Image processing. In *Proc. IRE*, volume 43, pages 560–570, 1955.
- Kahane:CRASP-292-271**
- [KK81] J.-P. Kahane and Y. Katznelson. Homéomorphismes du cercle et séries de Fourier absolument convergentes. *C.R. Acad. Sci. Paris*, 292:271–273, 1981.
- Kahane:SFF-83**
- [KK83] J.-P. Kahane and Y. Katznelson. Séries de Fourier des fonctions bornées. In *Studies in Pure Mathematics to the memory of Paul Turan*, pages 395–410. Birkhäuser Verlag, 1983. Preprint Orsay, 1978.
- Kallianpur:SSR-29-285**
- [KMW90] G. Kallianpur, I. Mitoma, and R. L. Wolpert. Diffusion equations in duals of nuclear spaces. *Stochastics and Stochastic Reports*, 29: 285–329, 1990.
- Kolmogoroff:FM-5-96**
- [Kol24] A. Kolmogoroff. Une contribution à l'étude de la convergence des séries de Fourier. *Fund. Math.*, 5: 96–97, 1924.
- Korner:BLMS-12-219**
- [Kör80] T. W. Körner. On a polynomial of J.S. Byrnes. *Bull. London Math. Soc.*, 12:219–224, 1980.
- Kotelenez:LLN-82**
- [Kot82] P. Kotelenez. Law of large numbers and central limit theorem for chemical reactions with diffusions. Technical report, U. Bremen, 1982.
- Kallianpur:AMO-17-237**
- [KPA88] G. Kallianpur and V. Perez-Abreu. Stochastic evolution equations driven by nuclear space-valued martingales. *Appl. Math. and Optimization*, 17:237–272, 1988.
- Krylov:SOVM-16-1233**
- [KR81] N. V. Krylov and B. L. Rozovskii. Stochastic evolution equations. *J. of Soviet Mathematics*, 16:1233–1277, 1981.
- Kilmer:AIF-38-63**
- [KS88a] S. J. Kilmer and S. Saeki. On Riesz product measures; mutual absolute continuity and singularity. *Ann. Inst. Fourier (Grenoble)*, 38(2):63–93, 1988.
- Konno:PRF-79-201**
- [KS88b] N. Konno and T. Shiga. Stochastic partial differential equations for some measure-valued diffusions. *Prob. Th. Rel. Fields*, 79:201–225, 1988.
- Kallianpur:AMO-12-125**
- [KW84] G. Kallianpur and R. Wolpert. Infinite dimensional stochastic differential equation models for spatially distributed neurons. *Appl. Math. and Optimization*, 12:125–172, 1984.
- Kallianpur:LNB-70-116**
- [KW87] G. Kallianpur and R. Wolpert. Weak convergence of stochastic

- neuronal models. In M. Kimura, G. Kallianpur, and T. Hida, editors, *Lecture Notes in Biomathematics*, volume 70, pages 116–145. Springer-Verlag, 1987.
- Kwapien:LNM-256-157**
- [Kwa76] S. Kwapien. A theorem on the Rademacher series with vector coefficients. In *Probability in Banach spaces*, volume 526 of *Lecture Notes in Mathematics*, pages 157–158. Springer-Verlag, 1976.
- Liu:ITNN-3-477**
- [LAG92] W. Liu, A. Andreou, and M. Goldstein. Voiced-speech representation by an analog silicon model of auditory periphery. *IEEE Trans. on Neural Networks*, 3:477–487, 1992.
- Levinson:GDT-40**
- [Lev40] N. Levinson. *Gap and Density Theorems*. American Mathematical Society, New York, NY, USA, 1940.
- Levinson:JMP-25**
- [Lev47] N. Levinson. The Wiener RMS error criterion in filter design and prediction. *J. Math and Physics*, 25, 1947.
- Levy:PSM-48**
- [Lév48] P. Lévy. *Processus stochastiques et mouvement Brownien*. Gauthier-Villars, Paris, France, 1948.
- Liandrat:WNPDE-ERCOFTAC-90**
- [Lia90] J. Liandrat. Wavelets and numerical solution of partial differential equations. *ERCOFTAC Bulletin*, VII, 1990.
- [Lip87] R. P. Lippmann. An introduction to computing with neural nets. *IEEE Trans. ASSP*, pages 4–22, April 1987.
- Lippmann:ASSP-87-4**
- [Lit61] J. E. Littlewood. On the mean values of certain trigonometric polynomials. *J. Lon. Math. Soc.*, 36:307–334, 1961.
- Littlewood:JLMS-36-307**
- [LJN⁺91] P. Lozo, R. P. Johnson, D. Nandagopal, G. Nussey, and T. Zyweck. An adaptive resonance theory (ART) based neural network approach to classifying targets in infrared images. In *Proceedings of the Second Australian Conference on Neural Networks (ACNN'91)*, pages 22–25. Sydney, NSW, Australia, 1991.
- Lozo:ACNN91-22**
- [LKK77] K. De Leeuw, J.-P. Kahane, and Y. Katznelson. Sur les coefficients de Fourier des fonctions continues. *C.R. Acad. Sci. Paris*, 285:1001–1003, 1977.
- DeLeeuw:CRASP-285-1001**
- [LM83] Ding Lee and Suzanne T. McDaniel. Wave field computations on the interface: An ocean acoustics model. *Math. Modeling*, 4:473–488, 1983.
- Lee:MML-4-473**
- [LM91] R. A. Lorentz and W. Madych. Spline wavelets for ordinary differential equations. Preprint, 1991.
- Lorentz:SWODE-91**

- Lass:SLH-3-82**
- [LMNY82] N. Lass, L. McReynolds, J. Northern, and D. Yoder, editors. *Speech, Language, and Hearing*, volume III: Hearing Disorders. W. B. Saunders Company, Philadelphia, PA, USA, 1982.
- Littlewood:AM-49-885**
- [LO48] J. E. Littlewood and C. Offord. On the distribution of zeros and a -values of a random integral function. *Annals of Mathematics*, 49: 885–952, 1948.
- Littlewood:I-50-990**
- [LO49] J. E. Littlewood and C. Offord. *Idem*, 50:990–991, 1949.
- Liandrat:1CASE-90-83**
- [LT90] J. Liandrat and Ph. Tchamitchian. Resolution of the 1D regularized Burgers equation using a spatial wavelet approximation. Technical Report 90-83, 1CASE, December 1990. NASA Contractor Report 18748880.
- Ledoux:EDM-23-3**
- [LT91] M. Ledoux and M. Talagrand. Probability in Banach spaces. *Ergebnisse der Mathematik*, 23(3), 1991. 480 pages.
- Muchnik:FMS-88**
- [M⁺88] I. B. Muchnik et al. *Functional Multidimensional Scaling*. Nauka, Moscow, USSR, 1988.
- Malliavin:CRASP-248-2155**
- [Mal59] P. Malliavin. Sur l'impossibilité de la synthèse spectrale sur la droite.
- C.R. Acad. Sci. Paris**, 248:2155–2157, 1959.
- Mallat:ASSP-37-2091**
- [Mal89a] S. Mallat. Multifrequency channel decompositions of images and wavelet models. *IEEE Trans. ASSP*, 37(12):2091–2110, December 1989.
- Mallat:TAMS-315-69**
- [Mal89b] S. Mallat. Multiresolution approximation and wavelet orthonormal bases of L^2 . *Trans. Amer. Math. Soc.*, 315:69–87, September 1989.
- Malvar:SPL-92**
- [Mal92] H. Malvar. *Signal Processing with Lapped Orthogonal Transforms*. Artech House, Norwood, MA, 1992.
- Meyer:OO-90**
- [Mey90] Y. Meyer. *Ondelettes et Opérateurs*. Hermann, Paris, 1990.
- Marr:PRSL-207-187**
- [MH80] D. Marr and E. Hildreth. Theory of edge detection. *Proc. Roy. Soc. London*, B207:187–217, 1980.
- Mallat:INFT-38-617**
- [MH92] S. Mallat and W. L. Huang. Singularity detection and processing with wavelets. *IEEE Trans. Inf. Theory*, 38(2):617–643, March 1992.
- Mitoma:MFSK-35-185**
- [Mit81] I. Mitoma. Martingales of random distributions. *Mem. Fac. Sci. Kyushu Univ.*, 35:185–197, 1981.

- Mitoma:AP-11-989**
- [Mit84] I. Mitoma. Tightness of probabilities on $\mathcal{C}([0, 1]; \mathcal{S}')$ and $D([0, 1]; \mathcal{S}')$. *Annals of Probability*, 11:989–999, 1984.
- Motll:LAE-5-714**
- [MM79] V. V. Motll and I. B. Muchnik. Linguistic analysis of experimental curves. *Proc. IEEE*, pages 714–736, 1979.
- Maurey:SM-58-45**
- [MP76] B. Maurey and G. Pisier. Séries de variables aléatoires vectorielles indépendantes et géométrie des espaces de Banach. *Studia Math.*, 58:45–90, 1976.
- Marcus:LNS50-78**
- [MP78] M. B. Marcus and G. Pisier. Necessary and sufficient conditions for the uniform convergence of random trigonometric series. In *Lecture notes series 50*. Aarhus, Denmark, 1978.
- Miller:INFT-18-241**
- [MT72] J. H. Miller and J. B. Thomas. Detectors for discrete time signals in non-Gaussian noise. *IEEE Trans. Inf. Theory*, IT-18(3):241–250, March 1972.
- Murai:CRASP-287-931**
- [Mur78] T. Murai. Une remarque sur la distribution des valeurs des séries de Taylor aléatoires. *C.R. Acad. Sci. Paris*, 287:931–934, 1978.
- Murai:JLMS-24-480**
- [Mur81] T. Murai. Value distribution of random Taylor series in the unit disc. *J. London Math. Soc.*, 24:480–494, 1981.
- Morishita:KYB-11-154**
- [MY72] I. Morishita and A. Yajima. Analysis and simulation of networks of mutually inhibiting neurons. *Kybernetik*, 11:154–165, 1972.
- Muchnik:IAH-74**
- [MZ74] I. B. Muchnik and N. Zavalishkin. *Image Analysis and Human Perception*. Nauka, Moscow, USSR, 1974.
- Mallat:CourantCS-92**
- [MZ92] S. Mallat and Z. Zhang. Matching pursuits with time-frequency dictionaries. Technical report, Courant Inst., Dept. Computer Science, November 1992.
- NL**
- [Nat] National lampoon. Some issues more than others.
- Newman:IJ-8-419**
- [NB70] D. J. Newman and A. Beck. Linear search problems. *Israel J.*, 8:419–429, 1970.
- Newman:PAMS-16-1287**
- [New65] D. J. Newman. An l_1 extremal problem for polynomials. *Proc. Amer. Math. Soc.*, 16:1287–1290, 1965.
- Newman:AM-138-241**
- [NF77] D. J. Newman and L. Flatto. Theorems on random coverings. *Acta Math.*, 138:241–264, 1977.

- Newman:DM-4-57**
- [NK73] D. J. Newman and A. G. Konheim. A note on growing binary trees. *Discrete Math.*, 4:57–63, 1973.
- Offord:SM-41-71**
- [Off72] C. Offord. The distribution of the values of a random function in the unit disc. *Studia Math.*, 41:71–106, 1972.
- USGAO:MPU-91**
- [Off91] United States General Accounting Office. *Management Practice: U.S. Companies Improve Performance Through Quality Efforts*. United States Government Printing Office, Washington, DC, USA, 1991.
- Olevskii:DAN-238-799**
- [Ole78] A. M. Olevskii. Sučetvovanie funktsii s neustranimymi osobennostjami Carlemana. *Dokladi Akad. Nauk SSSR*, 238(4):796–799, 1978.
- Olevskii:DAN-256-284**
- [Ole81] A. M. Olevskii. Zamena pere-mennoy i absojutnaja shodimost pjada Fourier. *Dokladi Akad. Nauk SSSR*, 256:284–287, 1981.
- Ostheimer:PFP-93**
- [Ost93] G. Ostheimer. *Parallel Functional Programming for Message Passing Multiprocessors*. Ph.d. thesis, University of St. Andrews, 1993.
- Orey:PLMS-28-174**
- [OT74] S. Orey and S. J. Taylor. How often on a Brownian path does the law of the iterated logarithm fail? *Proc. London Math. Soc.*, 28(3):174–192, 1974.
- Papoulis:FIA-62**
- [Pap62] A. Papoulis. *The Fourier Integral and its Applications*. McGraw-Hill, New York, 1962.
- Papoulis:ASSP-29**
- [Pap81] A. Papoulis. Maximum entropy and spectral estimation: A review. *IEEE Trans. ASSP*, 29, 1981.
- Papoulis:SR-27**
- [Pap85] A. Papoulis. Levinson’s algorithm, Wold’s decomposition, and spectral estimation. *SIAM Review*, 27, 1985.
- Papoulis:PRV-91**
- [Pap91] A. Papoulis. *Probability, Random Variables, and Stochastic Processes*. McGraw-Hill, New York, 3rd edition, 1991.
- Patterson:PR-65-195**
- [Pat44] A. L. Patterson. Ambiguities in the X-ray analysis of crystal structures. *Phys. Rev.*, 65(5):195–201, 1944.
- Perrin:LA-14**
- [Per14] J. Perrin. *Les Atomes*. F. Alcan, Paris, France, fourth edition, 1914.
- Perkins:ZW-64-369**
- [Per83] E. Perkins. On the Hausdorff dimension of the Brownian slow points. *Z. für Wahrscheinlichkeitstheorie*, 64:369–399, 1983.

- Perlovsky:NNS-87**
- [Per87] L. I. Perlovsky. Multiple sensor fusion and neural networks. In *DARPA Neural Network Study*. MIT/Lincoln Laboratory, Lexington, MA, USA, 1987.
- Perrier:WTMPS-91-269**
- [Per91] V. Perrier. Towards a method for solving partial differential equations using wavelet bases. In Combes et al. [CGT89], pages 269–283.
- Peyriere:AUSJM-91**
- [Pey91] J. Peyrière. Almost everywhere convergence of lacunary trigonometric series with respect to Riesz products. *Australian J. Math.*, 1991.
- Pickles:IPH-88**
- [Pic88] J. Pickles. *An Introduction to the Physiology of Hearing*. Academic Press, New York, 2nd edition, 1988.
- Piranashvili:TPA-12-647**
- [Pir67] P. A. Piranashvili. The problem of interpolation of random processes. *Theor. Probability Appl.*, 12:647–657, 1967.
- Pisier:CRASP-286-671**
- [Pis78a] G. Pisier. Ensembles de Sidon et processus Gaussiens. *C.R. Acad. Sci. Paris*, 286:671–674, 1978.
- Pisier:SEB-78**
- [Pis78b] G. Pisier. Les inégalités de Khintchine-Kahane d’après C. Borell. In *Séminaire sur la géométrie des espaces de Banach 1977–78*. Ecole Polytechnique, 1978.
- Pisier:IJM-34-38**
- [Pis79] G. Pisier. A remarkable homogeneous Banach algebra. *Israël J. Math.*, 34:38–44, 1979.
- Pisier:BAMS-8-87**
- [Pis83] G. Pisier. Arithmetic characterizations of Sidon sets. *Bull. AMS*, 8:87–89, 1983.
- Pisier:VCB-89**
- [Pis89] G. Pisier. *The volume of convex bodies and Banach space geometry*. Cambridge University Press, 1989.
- Pfeiffer:JASA-58-867**
- [PK75] R. R. Pfeiffer and D. O. Kim. Cochlear nerve fiber responses: Distribution along the cochlear partition. *J. Acoustic Soc. Amer.*, 58:867–869, 1975.
- Prignot:DCE-87**
- [Pri87] P. Prignot. Dichotomie du cotype pour les espaces invariants. Technical Report 87-02, I1-I50, Publications Mathématiques d’Orsay, 1987.
- Paley:CAMS-34**
- [PW34a] R. E. A. C. Paley and N. Wiener. Fourier transforms in the complex domain. In *Coll. Amer. Math. Soc.* American Mathematical Society, 1934.
- Paley:RTC-34**
- [PW34b] R. E. A. C. Paley and N. Wiener. *Fourier transforms in the complex*

- domain.* American Mathematical Society, Rhode Island, 1934.
- [Paley:PCP-26-337-458] R. E. A. C. Paley, N. Wiener, and A. Zygmund. Notes on random functions. *Math. Zeitschr.*, 37:647–668, 1933.
- [Paley:CPS-28-190] R. E. A. C. Paley and A. Zygmund. On some series of functions. In *Proceedings of the Cambridge Philosophical Society*, volume 26, pages 337–357, 458–474, 1930.
- [Paley:WTA-92] R. E. A. C. Paley and A. Zygmund. On some series of functions. In *Proceedings of the Cambridge Philosophical Society*, volume 28, pages 190–205, 1932.
- [RBC⁺92] M.-B. Ruskai, G. Beylkin, R. Coifman, I. Daubechies, S. Mallat, Y. Meyer, and L. Raphael, editors. *Wavelets and Their Applications*. Jones and Bartlett, Boston, 1992.
- [Rider:DMJ-42-759] D. Rider. Randomly continuous functions and Sidon sets. *Duke Math. J.*, 42:759–764, 1975.
- [Rumelhart:LIR-PDP-88] D. Rumelhart, G. Hinton, and R. Williams. Learning internal representations by error propagation. In Rumelhart and McClelland [RM88].
- [Rumelhart:PDP-88] David Rumelhart and G. McClelland, editors. *Parallel Distributed Processing: Explorations in the Microstructure of Cognition*. MIT PressCambridge, MA, 1988.
- [Ryll:SM-13-30] C. Ryll-Nardzewski. D. Blackwell’s conjecture on power series with random coefficients. *Studia Math.*, 13:30–36, 1953.
- [Reibman:AES-23-24] A. R. Reibman and L. W. Nolte. Optimal decision performance of distributed sensor systems. *IEEE Trans. Aerospace Electronic Systems*, AES-23(1):24–30, January 1987.
- [Rosenblatt:PN-59] F. Rosenblatt. *Principles of Neurodynamics*. Spartan Books, 1959.
- [Rosenblatt:SADM-3-343] J. Rosenblatt and P. D. Seymour. The structure of homometric sets. *SIAM J. Alg. Disc. Meth.*, 3:343–350, 1982.
- [Rosenfeld:ICOMP-20-562] A. Rosenfeld and M. Thurston. Edge and curve detection for visual scene analysis. *IEEE Trans. Computers*, C-20:562–569, 1971.
- [Rudin:JMM-9-203] W. Rudin. Trigonometric series with gaps. *J. Math. Mech.*, 9:203–227, 1960.

- Riou:WSP-91**
- [RV91] O. Rioul and M. Vetterli. Wavelets and signal processing. *ASSP Magazine*, October 1991.
- Schroeder:ICASSP-85-937**
- [SA85] M. Schroeder and B. Atal. Code excited linear prediction (CELP): high quality speech at very low bit rates. *Proc. ICASSP*, pages 937–940, 1985.
- Simoncelli:PIEEE-78-652**
- [SA90] E. Simoncelli and E. Adelson. Nonseparable extensions of quadrature mirror filters to multiple dimensions. *Proc. IEEE*, 78(4):652–664, April 1990.
- Saakian:MUS-79-597**
- [Saa79] A. A. Saakian. Integral'nie moduli gladkosti i koeffitsienti Fourier u superpozitsii funktsii. *Math. USSR Sbornik*, pages 597–608, 1979.
- Sabins:78**
- [Sab78] F. F. Sabins. *Remote Sensing Principles and Interpretation*. W.H. Freeman, San Francisco, New York, 1978.
- Saffari:CRAS-304-127**
- [Saf87] B. Saffari. Structure algèbrique sur les couples de Rudin-Shapiro. problème extrémal de Salem sur les polynômes à coefficients ± 1 . *C.R. Acad. Sci. Paris*, 304:127–130, 1987.
- Schroeder:JASA-66-1647**
- [SAH79] M. R. Schroeder, B. S. Atal, and J. L. Hall. Optimizing digital speech coding by exploiting masking properties of the human ear. *J. Acoustic Soc. Amer.*, 66:1647–1652, 1979.
- Salem:TAMS-56-32**
- [Sal44] R. Salem. Sets of uniqueness and sets of multiplicity 2. *Trans. Amer. Math. Soc.*, 56:32–49, 1944. See § 13.
- Salem:AVM-1-353**
- [Sal50] R. Salem. On singular monotonic functions whose spectrum has a given Hausdorff dimension. *Arkiv für Math.*, 1:353–365, 1950.
- Salem:OM-67**
- [Sal67] R. Salem. *Oeuvres mathématiques*. Hermann, Paris, 1967.
- Schelkunoff BST-39-80**
- [Sch60] S. A. Schelkunoff. A mathematical theory of linear arrays. *Bell Sys. Tech. J.*, 39:80–107, 1960.
- Schay:IBMJ-6-246**
- [Sch62] G. Schay. Approximate methods for a multiqueuing problem. *IBM J. of Research and Development*, 6:246–250, 1962.
- Schay:IBMJ-7-350**
- [Sch63] G. Schay. On a queueing problem arising in recirculating memories. *IBM J. of Research and Development*, 7:350–353, 1963.
- Schuknecht:PE-74**
- [Sch74] H. Schuknecht. *Pathology of the Ear*. Harvard University Press, 1974.

- Schroeder:PIEEE-63-1332**
- [Sch75] M. R. Schroeder. Models of hearing. *Proc. IEEE*, 63:1332–1350, 1975.
- Schroeder:FCPL-91**
- [Sch91] Manfred R. Schroeder. *Fractals, Chaos, Power Laws: Minutes from an Infinite Paradise*. W.H. Freeman, San Francisco, New York, 1991.
- Schonberger:ODY-20-16**
- [Sch92] Richard J. Schonberger. Total quality management cuts a broad swath—through manufacturing and beyond. *Organizational Dynamic*, 20(4):16–28, Spring 1992.
- Smith:ASSP-38-1446**
- [SE90] M. Smith and S. Eddins. Analysis/synthesis techniques for subband coding. *IEEE Trans. ASSP*, 38(8):1446–1456, August 1990.
- Shapiro:EPP-51**
- [Sha51] H. S. Shapiro. Extremal problems for polynomials and power series. Sc.M. thesis, Massachusetts Institute of Technology, 1951.
- Shamma:JASA-78-1612**
- [Sha85a] S. Shamma. Speech processing in the auditory system I: The representation of speech sounds in the responses of the auditory nerve. *J. Acoustic Soc. Amer.*, 78(5):1612–1621, November 1985.
- Shamma:JASA-78-1622**
- [Sha85b] S. Shamma. Speech processing in the auditory system II: Lateral inhibition and the central processing of speech evoked activity in the auditory nerve. *J. Acoustic Soc. Amer.*, 78(5):1622–1632, November 1985.
- NMASE-90**
- [SIA90] *Proc. 9th International Conference on Num. Methods in Appl. Sciences and Engr.* SIAM Publ., Philadelphia, 1990.
- Siegman:JASA-78-659**
- [SKL85] W. L. Siegmann, G. A. Kriegsmann, and D. Lee. A wide-angle three-dimensional parabolic wave equation. *J. Acoustic Soc. Amer.*, 78:659–664, 1985.
- Skolnik:RH-70**
- [Sko70] M. Skolnik. *Radar Handbook*. McGraw-Hill, 1970.
- Specht:ICNN88-525**
- [Spe88] D. F. Specht. Probabilistic neural networks for classification, mapping, or associative memory. In *Proceedings of International Conference on Artificial Neural Networks (ICNN-88)*, volume 1, pages 525–532, 1988.
- SPIE:CSC-91**
- [SPI91] Boston, MA, USA, 1991.
- Simmons:1992:TBE**
- [SSD92] J. A. Simmons, P. A. Saillant, and S. P. Dear. Through a bat's ear. *IEEE Spectrum*, 29(3):46–48, March 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- Steinhaus: MZ-21-408**
- [Ste29] H. Steinhaus. Über die wahrscheinlichkeit dafür, daß der konvergenzradius einer potenzreihe ihre natürliche grenze ist. *Math. Zeitschr.*, 21:408–416, 1929.
- Shannon: MTC-49**
- [SW49] C. E. Shannon and W. Weaver. *The Mathematical Theory of Communication*. University of Illinois Press, 1949.
- Stein: IFA-71**
- [SW71] E. Stein and G. Weiss. *Introduction to Fourier Analysis on Euclidean Spaces*. Princeton University Press, Princeton, 1971.
- Salem: AM-91-245**
- [SZ54] R. Salem and A. Zygmund. Some properties of trigonometric series whose terms have random signs. *Acta Math.*, 91:245–301, 1954.
- Szidon: MA-97-675**
- [Szi27] S. Szidon. Verallgemeinerung eines satzes über die absolute konvergenz von Fourierreihen mit Lücken. *Math. Ann.*, 97:675–676, 1927.
- Taylor: AIF-24-195**
- [Tay74] S. J. Taylor. Regularity and irregularities on a Brownian path. *Ann. Inst. Fourier (Grenoble)*, 24:195–204, 1974.
- Thomson: JASA-74-1848**
- [TC83] D. J. Thomson and N. R. Chapman. A wide-angle split-step algorithm for the parabolic equation. *J. Acoustic Soc. Amer.*, 74(1848–1854), 1983.
- Tchamitchian: WTMPS-91-263**
- [Tch91] Ph. Tchamitchian. About wavelets and elliptic operators. In Combes et al. [CGT89], pages 263–268.
- Tremain: CELP-88-491**
- [TCW88] T. E. Tremain, J. P. Campbell, and V. C. Welch. A 4.8 kbps code excited linear predictive coder. In *Proceedings of the Mobile Satellite Conf.*, pages 491–496, May 1988.
- Tappert: ICA74-csl**
- [TH74] F. D. Tappert and R. H. Hardin. Computer simulation of long-range ocean acoustic propagation using the parabolic equation method. In *Eighth International Congress on Acoustics*. London, 1974.
- Townshend: 81**
- [Tow81] John R. G. Townshend. *Terrain Analysis and Remote Sensing*. George Allen & Unwin, London, UK, 1981.
- Tsitsiklis: IEEEEDC-86-232**
- [Tsi86] J. N. Tsitsiklis. On threshold rules in decentralized detection. In *Proc. IEEE Conf. Decision Control*, pages 232–236, December 1986.
- Thomopoulos: AES-23-644**
- [TVB87] S. C. A. Thomopoulos, R. Viswanathan, and D. Bougoulias. Optimal decision fusion in multiple sensor systems. *IEEE Trans. Aerospace Electronic Systems*, AES-23(5):644–653, September 1987.

- | | |
|--|--|
| <div style="text-align: center; border: 1px solid black; padding: 2px;">Urick:PUS-83</div> <p>[Uri83] Robert J. Urick. <i>Principles of Underwater Sound</i>. McGraw-Hill, New York, 3rd edition, 1983.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Vaidyanathan:ASSP-35-476</div> <p>[Vai87] P. P. Vaidyanathan. Theory and design of M-channel maximally decimated quadrature mirror filters with arbitrary M, having the perfect-reconstruction property. <i>IEEE Trans. ASSP</i>, 35(4):476–492, April 1987.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Vaidyanathan:MFB-92</div> <p>[Vai92] P. P. Vaidyanathan. <i>Multirate Filter Banks and Wavelets</i>. Prentice-Hall, Englewood Cliffs, N.J., 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">VanTrees:DEM-I-68</div> <p>[Van68] H. L. VanTrees. <i>Detection, Estimation and Modulation Theory</i>, volume I. John Wiley & Sons, New York, London, Sydney, 1968.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Vaidyanathan:ITE-89-181</div> <p>[VD89] P. P. Vaidyanathan and Z. Doganata. The role of losslessness in modern digital signal processing. <i>IEEE Trans. Education</i>, pages 181–197, August 1989.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Veldhuis:BRASC-92-86</div> <p>[Vel92] R. N. J. Veldhuis. Bit rates in audio source coding. <i>IEEE Journal on Selected Areas in Communications</i>, 10(1), 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Vetterli:SP-6-97</div> <p>[Vet84] M. Vetterli. Multidimensional subband coding: Some theory and algorithms. <i>Signal Processing</i>, 6:97–112, April 1984.</p> | <div style="text-align: center; border: 1px solid black; padding: 2px;">Vetterli:ITA-35-356</div> <p>[Vet87] M. Vetterli. Multirate filter banks. <i>IEEE Trans. ASSP</i>, 35:356–372, 1987.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Vetterli:MCTDTR-92-161</div> <p>[VU92] M. Vetterli and K. M. Uz. Multiresolution coding techniques for digital television: A review. <i>Multidimensional Systems and Signal Processing</i>, 3:161–187, 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Walsh:AAP-13-231</div> <p>[Wal81] J. B. Walsh. A stochastic model of neural response. <i>Adv. Appl. Prob.</i>, 13:231–281, 1981.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Walsh:LNM-1180-266</div> <p>[Wal86] J. B. Walsh. An introduction to stochastic partial differential equations. In P. L. Hennequin, editor, <i>Lecture Notes in Mathematics</i>, volume 1180, pages 266–437. 1986.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Warren:AP-82</div> <p>[War82] R. Warren. <i>Auditory Perception</i>. Pergamon Press, New York, NY, USA, 1982.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Wickerhauser:ETIT-32-712</div> <p>[WC92] M. V. Wickerhauser and R. R. Coifman. Entropy based methods for best basis selection. <i>IEEE Trans. Inf. Theory</i>, 32:712–718, March 1992.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Weiss:Aware-92-WDET</div> <p>[Wei 2] J. Weiss. Wavelets and the dynamics of entropy transfer in two dimensional hydrodynamics. Technical report, Aware, 1991–2.</p> |
|--|--|

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Wickwire:MTR-25134wp</div> <p>[Wic83] Kenneth H. Wickwire. Useful MOEs for offensive C^3 countermeasures. Working Paper 25134, Mitre Corporation, December 1983.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wickerhauser:CSC-91-23</div> <p>[Wic91] M. V. Wickerhauser. Fast approximate factor analysis. In <i>Curves and Surfaces in Computer Vision and Graphics II: SPIE Proceedings Volume 1610</i> [SPI91], pages 23–32.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wickerhauser:WTTA92-679</div> <p>[Wic92] M. V. Wickerhauser. Acoustic signal compression with wavelet packets. In Chui [Chu92c], pages 679–713.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wiener:JMP-2-131</div> <p>[Wie23] N. Wiener. Differential space. <i>J. Math and Physics</i>, 2:131–174, 1923.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Wiener:AM-55-117</div> <p>[Wie30] N. Wiener. Generalized harmonic analysis. <i>Acta Math.</i>, 55:117–258, 1930.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Woods:ASSP-34-1278</div> <p>[WO86] J. Woods and S. O’Neil. Subband coding of images. <i>IEEE Trans. ASSP</i>, ASSP-34:1278–1288, 1986.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Young:CEP-74</div> <p>[YC74] T. Y. Young and T. W. Calvert. <i>Classification, Estimation and Pattern Recognition</i>. Elsevier Publishing Co., 1974.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Young:INFS-80</div> <p>[You80] Robert M. Young. <i>An Introduction to Nonharmonic Fourier Series</i>. Academic Press, New York, 1980.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Yserentant:NM-58-163</div> <p>[Yse90] H. Yserentant. Two preconditioners based on the multilevel splitting of finite element spaces. <i>Num. Math.</i>, 58:163–184, 1990.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Yao:ITCT-14-404</div> <p>[YT67] K. Yao and J. Thomas. On some stability and interpolatory properties of nonuniform sampling expansions. <i>IEEE Trans. Circuit Theory</i>, 14:404–408, 1967.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Yang:INFIT-38-824</div> <p>[YWS92] X. Yang, K. Wang, and S. A. Shamma. Auditory representations of acoustic signals. <i>IEEE Trans. Inf. Theory</i>, 38(2):824–839, March 1992.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zahedi:IF-86-96</div> <p>[Zah86a] F. Zahedi. The analytic hierarchy process—A survey of the method and its applications. <i>Interfaces</i>, 16(4):96–108, 1986.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zahedi:SEP-86-347</div> <p>[Zah86b] F. Zahedi. A simulation study of estimation methods in the analytic hierarchy process. <i>Socio-Economic Planning</i>, 20(6):347–354, 1986.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zahedi:COR-87-395</div> <p>[Zah87] F. Zahedi. Qualitative programming for selection decisions. <i>Computers and Operations Research</i>, 14(5):395–407, 1987.</p> |
|---|---|

- Zaknich:UWA91-cem**
- [ZdA91] A. Zaknich, C. deSilva, and Y. Attikiouzel. Comparative evaluation of the multi-class PNN and ART2 neural networks for classification of infra-red ship images—Parts I and II. In *The University of Western Australia Research Report to the Guided Weapons Division*. University of Western Australia, 1991.
- Zucker:PR7**
- [ZH84] S. W. Zucker and R. A. Hummel. Receptive fields and the representation of visual information. In *Proc. 7th Int. Conf. Pattern Recognition*, July 1984.
- Zweig:JASA-89-1229**
- [Zwe91] G. Zweig. Finding the impedance in the organ of corti. *J. Acoustic Soc. Amer.*, 89:1229–1254, 1991.
- Zygmund:FUM-16-90**
- [Zyg30] A. Zygmund. On the convergence of lacunary trigonometric series. *Fund. Math.*, 16:90–107, 1930.
- Zygmund:TAMS-34-435**
- [Zyg32] A. Zygmund. On lacunary trigonometric series. *Trans. Amer. Math. Soc.*, 34:435–446, 1932.
- Zygmund:ALSS-6-80**
- [Zyg33] A. Zygmund. On the continuity of power series. *Acta Litt. Sci. Szeged*, 6:80–84, 1933.
- Zygmund:TS-I-II-68**
- [Zyg68] A. Zygmund. *Trigonometric Series I and II*. Cambridge University Press, Cambridge, U.K., second edition, 1968.
- Zygmund:SPO-89**
- Antoni Zygmund. *Selected papers of Antoni Zygmund*. Kluwer Academic Publishers Group, 1989. 3 volumes.