# A Bibliography of Publications by, and about, Ingrid Daubechies

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## Abstract

This bibliography records publications of Ingrid Daubechies.

## Title word cross-reference

**$1.5M** [Duk16]. 2 [LK91, LLC08, LQLC10a, LLC11, MMC+13, RB98a, YLB+15]. **$59.95** [Lun92]. **$69.95** [Lun92]. $[0, 3]$ [Pol92a, Pol92b, Pol92c]. $C$ [ZCY16]. $db8$ [Kar03, Kar04]. $\delta$ [XZCM06]. $\ell_1$ [LNDD06, SP17]. $J$ [WWD+15]. $l^\infty$ [AM08]. $M$ [BDS98, HSZ97, Sun99]. $n$ [LP01, SZH97]. $\{\psi_{jk}^{(2)}\}_{j,k\in Z}$ [Red15]. $q$ [BAE11].

**-analogue** [BAE11]. **-ary** [SZH97]. **-band** [BDS98, HSZ97, Sun99]. **-D** [LK91, LLC08, LLC11, MMC+13, YLB+15]. **-dimensional** [LP01]. **-means** [ZCY16]. **-norm** [LNDD06, LNDD07]. **-sequence** [XZCM06]. **-stability** [AM08].

**0-12-174590-2** [Lun92]. **0-86720-225-4** [Lun92].

**1** [XTZ10]. **12-lead** [WWD+15]. **161** [DL01b]. **1992** [Ano93].

**2** [DAR13, DA15]. **2011** [Ano11a]. **2012** [DKRS12]. **2015** [Ano15, DKRS15].

**3-band** [WP05].

**4-tap** [MMC+13]. **44** [RRPT09].

**5/3** [Ara13].

**6-tap** [MMC+13]. **650-year-old** [Dau16].

**8-Tap** [CKE17].

**9/7** [TDK15]. **93f** [DL01b]. **97g** [CD97a].

**A/D** [CD00, CDL07, DDGV02, DDGV06]. **Abstracts** [DKRS12, DKRS15]. **Academic** [Lun92]. **Academy** [Ano98]. **Accelerated** [DFL07, DFL08]. **accuracy** [CD00, CDL07, KLC05]. **accurate** [BGS14]. **acoustic** [Zha00]. **Acquisitions** [CYG+17]. **AdaBoost** [RDS04a, RDS04b, RSD07b]. **Adaptive** [DP02, HDH16]. **addendum** [DL01b]. **Address** [Dau15]. **Adds** [Ano98]. **Advances** [TSS04]. **affect** [DH95]. **Affine** [Dau94a, DKP87, TB94]. **Air** [YKIK04]. **al** [Wan01]. **Alberto** [DM99]. **Algebra** [DL01b]. **algebraic** [Kla97, MMC+13]. **algebras** [AD79c]. **Algorithm** [STAV09, VD15, ZGSD04, BGS14, DDD03, DDD04, Dur96, LL00, LKC05, VD17, Wan07, ZCY16, ZGSD06]. **algorithme** [Dur96]. **Algorithms** [BLS+11a, BLS+11b, Dau93a, Nie99a, Nie12, AM08, CDJV93, Dur93, RSD07a, RSD08]. **Aligning** [BPG+15]. **Alignment** [HD06]. **also** [Ano14]. **Altarpiece** [CRG+13, PPR+15, RCP+11]. **Alternatives** [HD06]. **amas** [APD06]. **American** [Dau93b]. **Among** [Ano93]. **Analog** [DY06]. **Analog-to-Digital** [DY06]. **analogue** [BAE11]. **Analysis** [Ano08, CHT98, Dau97b, DS15a, DS15b, Grü92, Lun92, P15, RRD05, RSD07a, RSD08, Sin13, WPS+14, YLB+15, ZGSD04, Abo94, BDV00, CT15, CDJV93, CDDD03, Dau87, Dau89b, Dau90b, DMW92, Dau98e, DG99, Dau06c, DRT+09, DKRS12, DKRS15, DVDD98, Gao14, HDH16, JPB+09, JHB+08, KAB11, KLC05, Lin97a, LQLC10a, NKM12, SS96, WPS+13, Yos15, ZGSD06]. **analysis/synthesis** [Abo94]. **Analytic** [Dau80c, Yos10]. **analyzing** [AIK10a, AIK10b, lZqJmTjZ08]. **anatomical** [BLS+11a, BLS+11b]. **angle** [PR05]. **angles** [AD83]. **answers** [WFD11]. **Antonio** [Dau93b]. **any** [DH04]. **Appl.** [DL01b]. **Application** [CWC04, DT14, DMC+17, DC11, GLG94, yGjZsC11, GYD+18, Koz06, Lun92, RRPT09, YLB+15, APD06, Dau78a, Dau78b, DM99, DMC+16b, Fin04a, Fin04b, RRD12, SLBD11a, SLBD11b]. **Applications** [Ano11e, CKE17, Dau08, RV09b, RBC+92, Wah11, DP87, Dau95d, Dau95c, Dau98c, Dau98d, DG99, HDH16, Lin98, Yos10, Dau93a, Lun92, Lun92]. **Applied** [DKRS12, DKRS15, AHK13]. **Approach** [BPG+15, HN15, PZC+12, PZC+15, RGMD15a, STAV09, AM08, CXS04, Dau88b, DP88, DDGV02, HN17, RGMD15b, WP11, XZCM06]. **approaches** [PBGD13]. **Approximate** [Tay08]. **Approximating** [DD03]. **approximation** [BD03, CDDD01, CDGO02, DRS04, DKRS12, DKRS15, EGL11, EGL13, Koz06, UD97]. **April** [SC02]. **Arbitrary** [CD93c, DD03]. **arc** [RSD07b]. **arc-gv** [RSD07b]. **architecture** [LK91]. **architectures** [MMC+13]. **arithmetic** [Bon16]. **Art** [ACD+13, DMC+17, Dau16, DMC+16b, YLB+15, YDC+14, YMH+16]. **Artifacts** [YCF+16]. **artist** [JHB+08]. **ary** [SZH97]. **Aspects** [LPD11, LPD13]. **Assessment** [GYD+18]. **associated** [Kar10, Lai95]. **Astronomy** [KK10, KKT10]. **asymmetry** [Dor94]. **Asymptotic** [BDS98, KLR95a, LS00, SS96, Sun99]. **Asymptotics** [Nov02a, Nov02b, Nov02c, SS98, Tem96, Tem97]. **Atherosclerosis** [OWW+16]. **attachment** [DDK05]. **auditory** [DM96]. **August** [DKRS15]. **Authentication** [SM12]. **author** [Dau16]. **automata** [CD97b]. **Automated** [BPG+15, GYD+18, PBGD13, WWD+15].

**Automatic** [FGDB17]. **automatically** [BLS+11a, BLS+11b]. **autonomous** [DDK05]. **Award** [Keh13]. **awarded** [Ano12]. **Awards** [Duk16].

**B** [LD16]. **B-spline** [LD16]. **background** [CK96, PAHD05]. **balance** [Gao14]. **banco** [VP13]. **band** [BDS98, HSZ97, Sun99, WP05]. **Bandlimited** [DS15a, DS15b, CDL02, DD03]. **bank** [VP13]. **banking** [AAI13]. **banks** [EGL11, EGL13, SK12]. **Bargmann** [Cob01, DG88]. **Bartlett** [Lun92]. **Based** [BBN+10b, CWC04, yGjZsC11, XYD16, XYD18, Ara13, BDV00, CXS04, CT15, CDGO02, DM96, DHRS03, DT04, DAR13, Gao14, HŚ02b, HŚ02a, Jam96, KTJ09, LQLC10b, LLC11, LD16, PM13a, PR05, PM96, RM95, RSD04, SK12, Sud16, TB94, UD97, WWFW98, WP11, ZCY16]. **Bases** [Dau88a, Dau90a, Kai10, YD16, YGLD16, YD17, YGLD17, CDF92, CD92, CD93a, CD93b, CD93d, Dau89a, Dau93c, Dau93d, Dau94b, Dau06b, KLC05, LW09]. **basic** [AM08]. **Basis** [DJJ91b, Lin97a, CT15, DJJ91a, GNG+08a, GNG+08b, LKC05, LD16, NG05, NG06]. **Bayesian** [CYV+13a, CYV+13b, PZC+12, PZC+15, RRD05, RRD12]. **BBVA** [Keh13]. **be** [Dau16]. **beam** [DMV09, WP11]. **Beamlet** [CWC04]. **Beamlets** [WC02]. **behavior** [BDS98, KLR95a, RDS04a, RDS04b]. **bekende** [Gre11]. **bending** [Koz06]. **Bernstein** [Nov02a, Nov02b, Nov02c]. **Beta** [DDGV02]. **Beth** [Lun92]. **Better** [Dau95a, CD93d]. **between** [AD79c, AD83, AADL13, AIK10a, Dau11, JDB+14, AIK10b]. **Beylkin** [Lun92]. **bidimensional** [CD93a, CD93b]. **BigDFT** [GVO+11]. **Biological** [GYD+18]. **biologically** [FGDB17]. **Biomedical** [CKE17]. **Biorthogonal** [CDF92, CD93c, KM12, CD92, Dau94b, VBU05b]. **birth** [Gre11]. **bit** [CD00, CDL07]. **bit-rate** [CD00]. **Bivariate** [ACV01]. **block** [HŚ02b, HŚ02a]. **block-oriented** [HŚ02b, HŚ02a]. **Book** [Bat93a, C.93, Dau93a, Gri95, Grü92, Hei92, Hei93, Lun92]. **Boosting** [RDS04c, RSD04, RSD07a, RSD08]. **Boston** [Lun92]. **boundary** [XZCM06]. **bounded** [Dau80b]. **Boundedness** [CS99]. **boxes** [GB95b, GB95a]. **Brace** [Lun92]. **Brain** [Ano08, DRT+09]. **Brainbow** [KLT+10]. **brushstrokes** [JHB+08]. **Brussels** [Ano05]. **Burgemeester** [Gre11]. **Butterworth** [Abo94]. **Butterworth/Daubechies** [Abo94]. **BV** [CDDD03]. **BVPs** [Fin04a, Fin04b].

**CA** [Lun92]. **calculation** [LXDS11, NG05, NG06]. **Calculations** [RGMD15a, GNG+08a, GNG+08b, GVO+11, RGMD15b]. **Calderón** [DM99]. **can** [Dau16, Sta15]. **canonical** [Dau80a, DH02]. **Canvas** [CYG+17, YLB+15]. **Capturing** [CDD+12]. **Cardiovascular** [OWW+16]. **cares** [BBJ+09]. **Carlo** [PS95]. **carrying** [KLT+10]. **cascade** [Dur93, Dur96]. **cascading** [Dur96]. **case** [AM08, CRG+13]. **cassette** [KLT+10]. **Cauchy** [LL00, PM13b]. **CDF** [Ara13]. **celebration** [Dau95d]. **change** [Sta15]. **Chantal** [Coo11]. **characteristics** [HŚ02b, HŚ02a]. **Characterization** [Qix12, Yan12, AD79b, LP01]. **characterize** [PCR+11]. **Charles** [Grü92, Lun92]. **children** [EBJ+14]. **Chui** [Lun92, Grü92]. **Chyzak** [Wan01]. **CIRM** [Ano16b]. **Citra** [SG13]. **class** [HŚ02b, HŚ02a, HN17, LW09]. **classificacão** [VP13]. **Classification** [Ano08, BB07, VP13]. **clicks** [LG08]. **clustering** [DAR13, DA15, ZCY16]. **clusters** [APD06, PAHD04, PAHD05]. **CMB** [PAHD04]. **coarsely** [DD03]. **coded** [MDSW92]. **coding** [ABMD90, ABMD92,

BDV00, CD92, CDGO02, MDSW92]. **Coefficients** [ADGT17, BBN+10a, ADGT16, ČF04, EGL11, EGL13, LNDD06, LNDD07, OMOE14a, OMOE14b, Red15, Str92, Wan07]. **Cohen** [Ara13]. **Coherent** [Dau80a, Dau87, Dau91, Dau94a]. **Coiflets** [SYSP11, SYSP12]. **Coifman** [Lun92]. **collocation** [MD06]. **Colon** [MMN+11]. **Color** [NY15, ST15]. **Combination** [BBL+11]. **combined** [AHK13]. **combining** [CDGO02]. **come** [Dau96]. **coming** [Ano05]. **Communities** [OWW+16]. **Commutation** [DGS01]. **Compactly** [Dau88a, CDF92, CD93d, Dau93c, Dau06b, GB95b, GB95a, PKG13, WP05]. **compactly-supported** [PKG13]. **Companion** [GBGL08]. **Comparative** [GYD+18, P15]. **Comparing** [BPG+15, BBL+11, SYSP11, SYSP12, LD11a, LD11b]. **Comparison** [BB07, CVN+13, Gao14, LD09, SHN10, AIK10a, AIK10b]. **Complex** [CLG04, GLG94, LM95, Lin98, TB94, CGB+15, KTJ09, KKJ+10, LM94, Lin97b, PM15, XTZ10]. **Complexities** [CL05]. **Complexity** [Wah11]. **Component** [P15, RRD05, DRT+09]. **Compression** [SC00, SC02, TDK15, Wel99b, Ara13, AC14, CDSY97, DVDD98, KAB11, RB98b]. **computable** [Tas00]. **computation** [ČF04, CHXL06, LKC05]. **Computational** [MYN07, LPD11, LPD13]. **computations** [RL97]. **Computerized** [JHB+08]. **Computing** [Daa93, Old92, PSB+16, Wan07, WP11]. **ConceFT** [DWtW15, DWtW16]. **Concentration** [DWtW15, DWtW16]. **concepts** [DTV08]. **condition** [AD79d]. **Conference** [SC00, SC02, TSS04]. **Conformal** [yGjZsC11, LD11a, LD11b, LPD11, LPD13]. **conjecture** [Wan01]. **Connecting** [Kar03, Kar04]. **Connection** [Dau90a, AD79c, Dau83a, Dau89a, Wan07]. **connectivity** [DDK05]. **cons** [CD02]. **conservation** [PPR+15]. **conserve** [AD83]. **constants** [Nov98]. **Constrained** [RGMD15a, RGMD15b]. **Constraint** [Tas00, DDD03, DDD04]. **Constraint-selected** [Tas00]. **Constraints** [DFL07, DFL08, CVN+13, DTV07]. **construct** [HN17]. **Constructing** [DK82, WP05]. **Construction** [CWC04, GBM09a, GBM09b, HN15, LW09, WLW06, XTZ10, Dur96, Nov02a, Nov02b]. **Constructions** [YD16, YD17, DHRS03]. **Content** [WWFW98]. **Content-based** [WWFW98]. **contents** [RM95]. **Continuation** [WLW06, Yos10]. **Continuity** [Dau83a]. **Continuous** [AADL13, DM96, Dau11]. **Contributions** [Ano00]. **Converge** [DL92a, DL01b, DL01a]. **Convergence** [Dur93, Dur96, RDS04a, RDS04b, RSD07b]. **Conversion** [DY06, CD00, CDL07, DDGV02, DDGV06]. **convex** [DTV07]. **Convolution** [YGLD16, YGLD17, UD97]. **convolution-based** [UD97]. **corrected** [DDGV02]. **corresponding** [Dau80b, FGDB17]. **Corrigenda** [CD97a]. **Corrigendum** [DL01b]. **Corrigendum/addendum** [DL01b]. **cosmic** [PAHD05]. **Coulomb** [DL83, DL84, DL05, LT05]. **counterintuitive** [Dau83a]. **coupled** [DMC+16c, DMC+16a]. **course** [Dau93b]. **Crack** [CRG+13, RCP+11, CYV+13a, CYV+13b]. **Cradle** [FCY+17, YCF+16, YDC+14]. **criterion** [CD92]. **Crowns** [BBL+11]. **cubic** [Gao14]. **curves** [DRS04]. **cycle** [ZCY16]. **Cyclic** [RDS04b, RDS04a].

**D** [CD00, CDL07, DDGV02, DDGV06, LK91, LLC08, LQLC10a, LLC11, MMC+13, RB98a, YLB+15]. **damping** [CVN+13]. **dan** [P15]. **dans** [Dur96]. **Data**

[DVDD98, SC00, SC02, ZQW+19, AIK10a, ABD+11, Ara13, DD03, HDH16, SLBD11a, SLBD11b, AIK10b]. **Data-Dependent** [ZQW+19]. **Dataset** [GYD+18].
**Daubechies**
[Ano11a, Ara13, Gre11, Grü92, Hei92, Lun92, STAV09, WC02, AAI13, ACV01, Abo94, AIK10a, AM08, Ano93, Ano99, Ano05, Ano08, Ano11e, Ano11b, Ano11c, Ano11d, Ano12, Ano16a, Ano16b, Ano17, Ano18, Anoxx, AC14, AHK13, BB07, BGS14, Bat93a, Bat93b, BS94, BAE11, BBN+10a, BBN+10b, BDS98, Boe01, Bon16, Bow03, BSP98, C.93, CS99, ČF04, CGB+15, CWC04, CXS04, CHXL06, CT15, CLG04, Cob01, Coo11, CKE17, CD97b, Daa93, DT14, DMV09, DC11, DAR13, DA15, DJF11, Dor94, DKB99, DW00a, DW00b, DW01, Du01, DL96, Dur93, Dur96, DKLR12, DKLR14, EBJ+14, EGL11, EGL13, Fin04a, Fin04b, GLG94, GL94, yGjZsC11, Gao14, GNG+08a, GNG+08b, GVO+11, GB95b, GB95a, GBM09a, GBM09b, Gre11, Gri95, GEV12, HŚ02b, HŚ02a, HN15, HN17, Hei93, HPH09].
**Daubechies** [Hop17, HSZ97, Huy08, Jam96, JZL98, Kai10, Kar03, Kar04, Kar07, Kar10, KM12, KLR95a, KLR95b, KLR97, Keh13, KAB11, KTJ09, KKJ+10, Kla97, KK10, KKT10, KLC05, Koz06, Lai95, LS00, LG08, LK91, LP01, LW09, LXDS11, Lin97a, LL00, LKC05, LM93, LM94, LM95, LD96, Lin97b, Lin98, LLC08, LQLC10b, LQLC10a, LLC11, LD16, Lu97, Ma16, MMC+13, MD06, MYN07, MRB+14a, MRB+14b, MMN+11, NKM12, NG05, NG06, Nie99a, Nie99b, Nie12, NY15, NM13, Nov95, Nov98, Nov02a, Nov02b, Nov02c, OMOE14a, OMOE14b, Old92, P15, PMK16, PKG13, PM11, PM13a, PM13b, PM15, PSB+16, PR05, PM96, PS95, Pol92a, Pol92b, Pol92c, Qix12, RRPT09, RB98b, RB98a, RGMD15a, RGMD15b, Red15, RLS96, RL97, RF09a, RF09b, RM95, RA95, RV09b, RV09a, SK12, SP17, SHN10].
**Daubechies**
[SM12, SS96, SS98, ST15, Sin13, SYSP11, SYSP12, Duk14, Duk16, Sta15, Str92, Sud16, SG13, SZH97, Sun99, Tas99, Tas00, Tay08, Tem96, Tem97, TB94, TDK15, Van08, VP13, VBU05b, VBU05a, VBU07, WLW06, AIK10b, Wah11, WWFW98, Wan01, WP05, Wan07, WP11, Wel99a, Won02, Won11, XTZ10, XZCM06, XWL07, YKIK04, Yan12, Yos10, Yos15, Zei93, Zha00, ZCY16, lZqJmTjZ08].
**Daubechies-2** [DAR13, DA15].
**Daubechies-based** [Jam96, RM95].
**Daubechies-Lagarias** [STAV09]. **Davey** [DLM+07]. **day** [Dau97a]. **DCC** [SC00, SC02]. **De-Noising** [MMN+11].
**Deblurring** [Sin13, DT05, KTJ09]. **Decay** [DJJ91b, DJJ91a, DH94]. **Decimation** [DS15a, DS15b]. **Decomposition** [DLW09, DT04, DT05, DLW11, PS95].
**decomposition-like** [DLW11].
**deconvolution** [APD06, APD06].
**deformation** [LQLC10a]. **Delta** [CXS04, DS15a, DS15b, DD03].
**Delta-sequence** [CXS04]. **democracy** [CD02]. **Denoising** [NM13, Sin13, DT05, GEV12]. **Density** [MRB+14a, RGMD15a, GNG+08a, GNG+08b, MRB+14b, RGMD15b].
**Dependent** [ZQW+19]. **derivative** [Dau94b]. **derivatives** [LKC05]. **describe** [AD78b]. **description** [BDV00, BS94].
**Design** [Nie99b, BDV00, Lin98].
**Despeckling** [KKJ+10]. **Desyat** [Dau01].
**detailed** [DDK05]. **Detection** [EBJ+14, PJB+09, RCP+11, WWD+15, CYV+13a, CYV+13b, CRG+13].
**determinants** [Dau95b]. **Deterministic** [DS15a, DS15b]. **Deux** [APD06].
**Development** [GYD+18]. **Deviation** [DC11]. **diagnostics** [RRPT09].
**diagonalizing** [Dau94b]. **Dictionary** [DMC+17, DMC+16b, DMC+16c, DMC+16a]. **Diego** [Lun92]. **Dietary** [BBL+11]. **Diffeomorphism** [XYD16, XYD18]. **Diffeomorphism-Based**

[XYD16, XYD18]. **difference** [DL91, DL92b]. **Different** [Dau93b]. **Differential** [CMDAF97, DA15]. **differentiation** [Jam96]. **Diffracted** [WP11]. **Digital** [ACD+13, CYG+17, DY06, PMK16, PPR+15, SG13, WWD+15, YDC+14, Lai95]. **digitally** [DDGV02]. **dilations** [DP88]. **Dimensional** [GKBD19, ZQH+17, CCD16a, CCD16b, LP01, PM96]. **Dimensions** [ADGY16, CDD+12]. **Diminishing** [Dor94]. **d'Ingrid** [Dur96]. **Direct** [LKC05]. **Directional** [YD16, YD17]. **Dirichlet** [BBL+11]. **Discharge** [YKIK04, XTZ10]. **Discrete** [Ano11e, Ano16a, Dau87, Dau90a, RV09b, Dau84, Dau89a, ST15]. **disjoint** [Tas99]. **Distance** [LCDF10, LPD11, AADL13, Dau11, LPD13]. **distances** [LD11a, LD11b]. **Distinction** [YKIK04]. **distribution** [Boe01, Kar10]. **distributions** [Dau80b]. **do** [Dau96]. **does** [DH95, DRT+09]. **Domain** [CWC04, ABMD90, KLC05]. **drawings** [YMH+16]. **dual** [Dau95a, DH02, DH04]. **Dutch** [Ano05, Gre11, Huy08]. **Dyadic** [YD16, YD17, RF09a, RF09b]. **dynamic** [CHXL06]. **Dynamics** [RDS04c, WHB+14, PS95, RDS04a, RDS04b].

**ECG** [AC14, BGS14, NM13]. **ecomorphology** [FGDB17]. **Editor** [DLM+07]. **editors** [Lun92]. **EEG** [Ano08]. **efficacy** [SYSP11, SYSP12]. **Efficiency** [AHK13]. **efficient** [NG05, NG06]. **eigenelements** [PSB+16]. **eigenfunctions** [DW01, Du01]. **Eigenvalues** [DW01, Du01, Yos10]. **Ekstraksi** [P15]. **elastic** [LLC08, LQLC10b, LLC11, PKG13]. **elasticity** [LD16]. **elastostatics** [DL96]. **electrical** [BSP98]. **Electrocardiogram** [WWD+15]. **Electrocardiographic** [OWW+16]. **Electromagnetic** [yGjZsC11, LXDS11]. **Electron** [DL83, DL05, LT05, Dau84]. **electronic** [GVO+11]. **element** [PKG13]. **elements** [DMV09, PM96, WMJ+11]. **elétricos** [VP13]. **Embedding** [LCDF10]. **Empirical** [DLW09, DLW11]. **Encoder** [DGWY08, DGWY10]. **encoding** [BD03, CDDD01]. **Energy** [BBL+11, Dau83b, Dau84, NG05, NG06]. **Enestrom** [Kar04, Kar03]. **enforcing** [DDD16]. **engineering** [BDKP14, Dau93e]. **enhancement** [NY15]. **entire** [DG88]. **equation** [BAE11, PM13b, PR05]. **equations** [DL91, DL92b, DT14, GL94, MD06]. **Erratum** [DJJ91a]. **ESPRIT** [XWL07]. **estimate** [CD96, CD97a, Dau95b, Sun99]. **Estimates** [RF09a, RF09b, WLD+16]. **Estimation** [DC11]. **Étude** [Dur96]. **Evaluating** [WHB+14]. **Event** [NM13]. **Exact** [Ma16]. **examples** [Dau83a]. **Existence** [DL91]. **Expansions** [DGM86, DJ93, DDGV02, DGM06]. **Experimental** [ZGSD04, ZGSD06]. **experiments** [PAHD04, PAHD05]. **explicit** [AM08]. **exponent** [Sun99]. **Exponential** [DJJ91b, DY06, CD00, CDL07, DJJ91a, DKLR12, DKLR14]. **expressed** [NG05, NG06]. **expression** [KLT+10, SHN10]. **Extensions** [LPD11, LPD13]. **Extracão** [VP13]. **Extraction** [NM13, P15, BGS14, VP13]. **Extrapolation** [CWC04]. **extremal** [DJF11].

**Face** [BBN+10a, BBN+10b, Hop17]. **Facial** [P15, SHN10]. **Factored** [LCDF10]. **Factoring** [DS98, DS00]. **factorization** [Tas00]. **failures** [VP13]. **falhas** [VP13]. **families** [Tas00, VBU07]. **family** [DD03, PM96, SHN10]. **fast** [CDJV93, CDV93, NKM12, AIK10b, AIK10a]. **faster** [DDFG08c]. **fault** [RRPT09]. **Feature** [NM13, P15, Sud16, BGS14]. **features** [FGDB17, PCR+11]. **Feauveau** [Ara13]. **Fellows** [Ano93]. **Female** [Duk14].

**fermions** [Dau83b]. **field** [BS94, LXDS11, OMOE14a, OMOE14b]. **Fields** [Duk14]. **filter** [EGL11, EGL13, Lai95, SK12, VP13]. **Filters** [CKE17, Dau90a, Lin98, RB98a, Dau89a, DJF11, HSZ97, KLR95a, KLR97, Kla97, MMC+13, RB98b, SS98, SZH97, Tas00]. **filtres** [KLR95b]. **filtros** [VP13]. **Finite** [Dau90a, CD97b, Dau89a, DMV09, PKG13, PM96, Zha00]. **First** [Duk14, EBJ+14]. **Fitur** [P15]. **Flanders** [Hop17]. **Flemish** [Sta15]. **fluctuations** [OMOE14a, OMOE14b]. **fluorescence** [ABD+11, ABD+13]. **fMRI** [DRT+09]. **Foreword** [ACD+13, Dau06a]. **forgery** [PJB+09]. **formalism** [DL94a, DL94b]. **formula** [DM99, PM11]. **formulation** [PKG13]. **Foundation** [Keh13, Duk16]. **Four** [SK12]. **Fourier** [AIK10a, ZGSD06, BDV00, Red15, AIK10b, ZGSD04]. **Fractal** [Wel99b]. **fractals** [DL92b]. **Fragment** [RGMD15a, RGMD15b]. **frame** [BDV00, DH02]. **Framelets** [DHRS03, YGLD16, YGLD17]. **framer** [Dau97a]. **Frames** [ADGT17, DG88, ADGT16, Dau97a, DHRS03, DH04]. **Framework** [ZQW+19, WP11]. **Fredholm** [Dau95b]. **Free** [CKE17, BBJ+09, Ano05]. **French** [APD06, Dur96]. **frequencies** [WFD11]. **Frequency** [Dau97b, DWtW15, CHT98, CD93d, Dau88b, DP88, Dau89b, Dau90b, Dau95a, DLL95, Dau97a, Dau98e, Dau06c, DWtW16, NKM12, YLB+15]. **Fully** [BPG+15, GYD+18]. **Function** [Ano08, Pol92b, Pol92c, CDR96, CDP97, DH95, DD03, Lin97a, PM11, PM13a, PM13b, Pol92a, RSD07a, RSD08]. **Functional** [Grü92, MRB+14a, RGMD15a, GNG+08a, GNG+08b, MRB+14b, RGMD15b, RRD12]. **functionals** [DT04]. **Functions** [ACV01, ADGT17, Ano11b, CDD+12, Dau80c, DS15a, DS15b, yGjZsC11, HN15, RV09a, XYD16, XYD18, ADGT16, BDS98, CD96, CD97a, CDL02, DG88, DH94, DL94a, DL94b, Dau95a, Dau95b, DH04, DW00a, HN17, LS00, LKC05, MYN07, PM15, SS98, Sun99, Wan01]. **Fundamental** [HW06]. **Fusion** [BBN+10a, BBN+10b, CGB+15]. **future** [PAHD04, PAHD05]. **fuzzy** [ZCY16].

**Gabor** [WC02, BB07, CHT98, CWC04, Cob01, Dau95a, DLL95, DP02]. **Gabor-Daubechies** [WC02]. **galaxies** [APD06]. **Gauss** [PM15]. **Gauss-type** [PM15]. **Gaussian** [DW00a, DW00b, GKBD18, GKD19, GKBD19, WP11]. **geboortedorp** [Gre11]. **General** [OWW+16, DTV07]. **Generalized** [VBU05b, VBU05a, VBU07, Dau83b, DKLR12, DKLR14]. **genomes** [KLT+10]. **Geometric** [GYD+18, GKBD19, BLS+11a, BLS+11b, Dau88b, DP88, PBGD13]. **geophysical** [SLBD11a, SLBD11b]. **Geostatistics** [Pil09]. **gets** [Gre11]. **Ghent** [CRG+13, PPR+15, RCP+11]. **GIS** [Pil09]. **given** [CDR96]. **Global** [CVN+13, DL91, SLN+11a, SLN+11b]. **Globally** [GYD+18]. **Gogh** [JHB+08]. **Golden** [DGWY08, DGWY10]. **Gordon** [Bat93b]. **Gradient** [DFL07, DFL08]. **Grant** [Duk16]. **graph** [DDK05]. **Gregory** [Lun92]. **grooved** [lZqJmTjZ08]. **growth** [Nov95]. **gv** [RSD07b].

**Haar** [AAI13]. **Hamiltonians** [DK85, KD84]. **Hammerstein** [MD06]. **Harcourt** [Lun92]. **hardcover** [Lun92]. **Harmonic** [CDDD03, DG99, GBM09a, GBM09b, DKRS12, DKRS15, DVDD98, Gao14]. **Heart** [WLD+16, EBJ+14]. **Heisenberg** [BD03, GB95b, GB95a]. **held** [DKRS12, DKRS15]. **Henriksen** [DLM+07]. **Henryk** [Ano11a]. **Herpesviruses** [KLT+10]. **heterogeneity** [SLN+11a, SLN+11b]. **hidden** [ABD+13]. **hiding** [Ara13]. **High**

[CDD+12, GYD+18, YKIK04, CYV+13a, CYV+13b, GVO+11, KAB11]. **Higher** [SP17]. **highly** [BGS14]. **Hilbert** [Tay08, AD79c, CCD16a, CCD16b, Dau80c]. **Hilbert-Pairs** [Tay08]. **holomorphic** [Dau78a, Dau78b]. **Homogenization** [DRZ07]. **Honored** [Ano00]. **Human** [BBN+10a, BBN+10b]. **hyperdifferential** [Dau78a, Dau78b]. **hypersingular** [PM13a].

**I.** [Dur93]. **Iberoamericana** [CD97a]. **Identification** [HŚ02b, HŚ02a, HPH09, DM99, JHB+08]. **Identity** [Zei93, DLL95]. **II** [DGR83, DK85, DP88, DL92b, Dau93c, KKT10, LPD11, LPD13]. **III** [CD93d]. **Image** [ACD+13, ABMD90, ABMD92, BBN+10b, DMC+17, HD06, JHB+08, KK10, KKT10, Lin97b, PMK16, PPR+15, PZC+12, PZC+15, Sin13, Wel99b, YGLD16, YGLD17, CDSY97, CGB+15, CLG04, DT04, DT05, DTV08, DMC+16b, DMC+16c, DMC+16a, GEV12, MDSW92, NY15, RB98b, SM12, ST15, Sud16, WWFW98]. **imagery** [Ara13]. **Images** [BB07, BBN+10b, MMN+11, YCF+16, ABD+13, CYV+13a, CYV+13b, FCY+17, KTJ09, KKJ+10, TDK15, YDC+14]. **Imaging** [Wah11, WC02, ABD+11]. **imperfect** [DDGV06]. **Implementasi** [SG13]. **Implementation** [CHT98, CKE17, Wah11, LL00]. **Implementing** [CD97b]. **implications** [FGDB17]. **Importance** [LD96, CDGO02]. **improved** [DAR13]. **IMU** [CDW14, Dau15]. **incoming** [KLT+10]. **independence** [DRT+09]. **Independent** [DRT+09, RRD05]. **indexing** [WWFW98]. **Indonesian** [P15]. **Inference** [BBL+11]. **Infinite** [ADGY16, DL92a, CCD16a, CCD16b, DL92b, DL01b, DL01a]. **infinite-dimensional** [CCD16a, CCD16b]. **Information** [HD06, TSS04]. **Ingrid** [Ano05, Ano11a, Bat93a, C.93, Gre11, Gri95, Grü92, Hei93, Lun92, Ano05, Ano16b, Ano17, Ano18, Anoxx, Bon16, Coo11, Dur96, Gre11, Hei92, Hop17, Huy08, Duk16, Sta15]. **Inner** [RL97]. **Inpainting** [RCP+11, CRG+13]. **Instability** [CD93c]. **Instantaneous** [WLD+16]. **insurance** [AIK10a, AIK10b]. **integer** [CDSY97]. **integers** [CDSY98, MMC+13]. **Integral** [DG80, GBM09a, GBM09b, HSZ97, Dau78c, DGR83, LL00, PM13b, SZH97]. **Integrals** [DK82, DK83, KD82a, DK85, DK86, DKP87, Dau91, KD82b, KD84, MYN07, PM13a, PM15]. **Interaction** [DL83, DL05, LT05, DL84]. **Interactions** [JDB+14]. **Interfacing** [Pil09]. **internationaal** [Gre11]. **International** [JDB+14]. **internationally** [Gre11]. **interplanetary** [OMOE14a, OMOE14b]. **Interpolation** [CDL02, UD97]. **interpretation** [AD79d]. **Interspecific** [GYD+18]. **interval** [CDJV93, CDV93, Dau93f, Dau94b, Jam96, LL00, Zha00]. **intervals** [Fin04a, Fin04b]. **Interview** [Ano16b, Bon16, Huy08, Huy08]. **Intrepid** [Bon16]. **Intrinsic** [ZQW+19]. **introduced** [Dur93]. **Introduction** [DMW92, Grü92]. **invariant** [TB94]. **Inverse** [DFL07, DFL08, DDD03, DDD04, DTV07]. **inversion** [LNDD06, LNDD07, SLBD11a, SLBD11b]. **Investigation** [DMC+17, DMC+16b, YLB+15]. **involving** [MYN07, PM15]. **IR** [HPH09]. **irregular** [CDL02, DGS99, DGSS99, DGS01]. **ISBN** [Lun92]. **Ischemic** [NM13]. **Ising** [PS95]. **Ising-model** [PS95]. **Isolation** [BBL+11]. **isometry** [Cob01]. **Issue** [ACD+13, DMW92, KD96]. **ISTA** [DDD16]. **iterative** [DDD03, DDD04, DTV08]. **Iteratively** [DTV07, DDFG08a, DDFG08b, DDFG08c, DDFG10, VD15, VD17]. **iTWIST'14** [JDB+14]. **Iwaniec** [Ano11a].

**J** [OWW+16]. **January** [Dau93b]. **John**

[Ano11a]. **joint** [AD78b]. **Jones** [Lun92]. **Jovanovich** [Lun92]. **JPEG2000** [KAB11]. **June** [DKRS12]. **justification** [AD78b].

**Kakeya** [Kar03, Kar04]. **kernel** [PM13b]. **Kernels** [Dau80c]. **kind** [PM13b]. **kinematic** [DKP87]. **kinetic** [Dau83b, Dau84]. **Klauder** [GBM09a, GBM09b]. **Klein** [Bat93b]. **known** [Gre11]. **Komparasi** [P15]. **Kompresi** [SG13]. **komt** [Ano05]. **krijgt** [Gre11]. **Kuramoto** [DT14].

**l** [LNDD07]. **Lagarias** [STAV09, BAE11]. **landmark** [BBJ+09]. **landmark-free** [BBJ+09]. **Landmarking** [GKBD18, GKD19, GKBD19]. **large** [LQLC10a]. **lattice** [DJ93]. **lattices** [Dau95a, DLL95]. **LDMNet** [ZQH+17]. **lead** [WWD+15]. **Learning** [DMC+17, RRD05, ZQW+19, DMC+16b, DMC+16c, DMC+16a, JPB+09, PJB+09, RRD12]. **Least** [DDFG08a, DDFG08c, DDFG10, Tas99, VD15, DDFG08b, UD97, VD17]. **Lectures** [Ano15, Bat93a, C.93, Dau92, Dau01, Gri95, Grü92, Hei92, Hei93]. **LeGall** [Ara13]. **lektsij** [Dau01]. **Letter** [DLM+07]. **lifting** [CHXL06, DS98, DS00]. **like** [DLW11, SLBD11a, SLBD11b]. **limited** [KLT+10]. **Linear** [DL01b, DFL07, DFL08, MRB+14a, AM08, Dau80a, DDD03, DDD04, DTV07, DDFG08c, HŚ02a, MRB+14b]. **Liouville** [PSB+16]. **Local** [CWC04, YGLD16, YGLD17, DL92b]. **Local-Nonlocal** [YGLD16, YGLD17]. **localisation** [DP88]. **localization** [Cob01, Dau88b, Dau90b, Dau95e, Dau98e, Dau06c, Nov95, Yos10, Yos15]. **Lorentz** [DKB99]. **Lossless** [CDSY97]. **Louise** [Lun92]. **Low** [Wah11, ZQH+17, Kla97].

**MA** [Lun92]. **MacArthur** [Ano93]. **machine** [JPB+09, RRPT09]. **magnetic** [OMOE14a, OMOE14b]. **making** [Dau93e]. **Mallat** [Lun92, LG08]. **mammography** [AHK13]. **Manifold** [ZQH+17]. **Manifolds** [GKBD18, GKD19]. **map** [CDSY98]. **maps** [AD79a, AD78a, AD83]. **March** [SC00]. **margin** [RSD04, RSD07a, RSD08]. **margins** [RDS04a, RDS04b]. **Markovic** [DLM+07]. **Markowitz** [BDD+07, BDD+09]. **Mary** [Lun92]. **mask** [DH95]. **Mass** [LD09]. **Masterpiece** [Dau16]. **Mat.** [CD97a]. **Matching** [LG08]. **Math** [Duk14]. **Mathematica** [RA95]. **Mathematical** [Dau93b, AD79d, CK96, DGR83, Dau16]. **Mathematician** [Bon16, Gre11, Huy08, Ano05]. **Mathematics** [CL05, Dau16, GBGL08, BDKP14, Dau93e, Dau95d]. **Maths** [Ano14, Sta15]. **Matrices** [DL92a, DL92b, DL01b, DL01a, EGL11, EGL13]. **Matrix** [CWC04, Jam96]. **Matzinger** [DKB99]. **Mayor** [Gre11]. **means** [DT05, ZCY16]. **measure** [DK85, Dau91]. **measurements** [XTZ10]. **Measures** [DK82, DK83, KD82a, DK86, DKP87, KD82b, KD84]. **Mechanical** [Dau80c, AD79a, AD78a, AD83, DK85, KD82b, KD84]. **Medal** [Duk14]. **Medical** [Ano00, CGB+15, Wah11, KTJ09, KKJ+10]. **Memorizing** [ZQW+19]. **Menggunakan** [P15]. **meshless** [CT15, LXDS11, LLC08]. **Method** [Ara13, DFL07, DRZ07, DFL08, yGjZsC11, WLW06, CHXL06, CT15, Gao14, LXDS11, LLC08, LQLC10b, LLC11, LD16, MD06, WP05]. **méthodes** [APD06]. **Methods** [BBL+11, GYD+18, AAI13, APD06, Dau95e, MYN07, PKG13]. **Metrics** [HD06]. **Meyer** [Dau93a, Lun92, Dau10]. **microwave** [PAHD05]. **Milnor** [Ano11a]. **minimal** [GB95b, GB95a]. **Minimization** [DDFG08a, DDFG10, DDFG08b, DDFG08c]. **mixed** [Abo94]. **Modal** [DMC+17, DMC+16b]. **Mode** [DLW09, DLW11]. **Model** [GLG94, NY15, PS95]. **modeling** [AAI13]. **modelling** [CLG04, PR05]. **Models** [WPS+14, DM96, HŚ02b, HŚ02a, JDB+14,

SLN+11a, SLN+11b, WPS+13]. **Modified** [Nov95, Nov98, Nov02a, Nov02b, Nov02c]. **modulators** [DD03]. **Molar** [BBL+11]. **Molecules** [DL83, DL05, LT05, Dau84, DL84]. **moments** [Sud16]. **Monte** [PS95]. **Mori** [PS95]. **morphological** [FGDB17]. **Morphometric** [GYD+18]. **Morphometrics** [GKBD19, PBGD13]. **most** [Tas99]. **mother** [Anoxx, AC14]. **motor** [VP13]. **motores** [VP13]. **MR** [BB07]. **MR1142737** [DL01b]. **MR1402677** [CD97a]. **MRA** [DHRS03]. **MRA-based** [DHRS03]. **MRT** [TDK15]. **MRTD** [yGjZsC11]. **Multi** [DMC+16b, DMC+17, LLC11]. **Multi-Modal** [DMC+17, DMC+16b]. **Multi-scale** [LLC11]. **multifractal** [DL94a, DL94b]. **multilevel** [KTJ09]. **Multimodal** [HD06, CYV+13a, CYV+13b]. **multiple** [BDV00]. **Multiplier** [CKE17, Qix12, Yan12]. **multipliers** [LK91]. **Multiresolution** [BBN+10b, CDJV93, AM08, DMW92, DRS04, KLC05]. **Multiscale** [DRZ07, SP17, CHXL06]. **Multisegmentation** [SYSP11, SYSP12]. **multitapered** [DWtW15, DWtW16]. **Mumford** [Keh13]. **Musculoskeletal** [GEV12].

**naar** [Ano05]. **near** [CGB+15]. **needs** [CDW14]. **Nemmers** [Ano12]. **nerve** [DM96]. **network** [YMH+16]. **Networks** [ZQH+17]. **Neumann** [AD79c]. **Neural** [ZQH+17, TSS04, YMH+16]. **neuroimaging** [RRD12]. **NIPS** [TSS04]. **NLS** [GL94]. **no.** [CD97a]. **nodes** [PM15]. **Noise** [DC11, KTJ09, XTZ10]. **Noising** [MMN+11]. **Non** [CD93a, CD93b, HŚ02a]. **non-linear** [HŚ02a]. **Non-separable** [CD93a, CD93b]. **Nonlinear** [GLG94, LDN+08, LDN+10, CDGO02, DM96, HŚ02b]. **Nonlocal** [YGLD16, YGLD17]. **Nonorthogonal** [DGM86, DGM06]. **Nonparametric** [PZC+12, PZC+15]. **norm** [LNDD06, LNDD07]. **Normal** [BBL+11, DRS04]. **Note** [HN15, PM11]. **number** [Wan01]. **numbers** [KLT+10]. **Numerical** [GLG94, GL94, LXDS11, LD16, NG05, NG06]. **numerics** [Tem96, Tem97].

**Object** [YMH+16, TB94]. **ocean** [Zha00]. **old** [Dau16]. **ondelettes** [Dur96]. **One** [DL83, Dau84, DL05, LT05, PM96, WFD11, AD78b, PM11, PR05]. **One-dimensional** [PM96]. **One-Electron** [DL05, LT05, Dau84]. **one-periodic** [PR05]. **one-point** [PM11]. **Opening** [Dau15]. **operator** [Dau94b, Yos10]. **Operators** [Dau80c, SP17, Won02, Cob01, Dau78a, Dau78b, Dau80b, Dau88b, DP88, DW00a, DW00b, DW01, Du01, DL96, Yos15, Dau93a]. **Optimal** [BD03, CDDD01, Str92]. **optimized** [Tas00]. **Optimizing** [WLD+16]. **Order** [KLC05, SP17, DD03, Kla97]. **orientation** [BBJ+09]. **oriented** [HŚ02b, HŚ02a]. **original** [Dau97a]. **Orthogonal** [Dau89a, HN15, HN17, Kar10, RF09a, RF09b]. **Orthonormal** [CD93d, Dau88a, Dau90a, DJJ91b, Dau93c, Dau06b, Kai10, DJJ91a, Dau93d, DJF11]. **Oscillator** [GBM09a, GBM09b]. **Other** [ADGT17, ADGT16, Dau95e, DJF11]. **Outcomes** [OWW+16]. **oversampled** [CD00, CDL07]. **overview** [Dau95c].

**Packets** [CD93c]. **pada** [P15, SG13]. **Painless** [DGM86, DGM06]. **Painting** [WPS+13, WPS+14, JHB+08, PPR+15]. **Paintings** [CYG+17, YCF+16, ABD+13, CYV+13a, CYV+13b, CRG+13, FCY+17, JPB+09, PCR+11, PJB+09, YDC+14]. **Pairs** [DH04, Tay08]. **panel** [FCY+17]. **Papers** [HW06]. **parâmetros** [VP13]. **para** [VP13]. **parabolic** [PR05]. **parallel** [WP11]. **Parameterizations** [LM94]. **parameters** [AHK13, DKLR14, VP13].

**Parametrizations** [LM93]. **Part** [XTZ10]. **partial** [PM11, XTZ10]. **Patches** [YGLD16, YGLD17, LD16]. **Path** [DK82, DK83, GBM09a, GBM09b, KD82a, DK85, DK86, DKP87, Dau91, KD82b, KD84]. **path-integrals** [KD82b]. **Pattern** [ZQW+19]. **Patterns** [CYG+17]. **Pauli** [Ano15]. **PCA** [P15, P15]. **PDE** [CXS04]. **pearls** [PCR+11]. **Pengenalan** [P15]. **perfect** [EGL11, EGL13]. **Performance** [Sin13, AC14, GVO+11, SHN10]. **periodic** [PR05]. **Periodized** [RLS96, RL97]. **personal** [Dau96]. **Perspectives** [Dau93b]. **pg** [DL01a]. **Phase** [ADGY16, CCD16a, CCD16b, Dau91, GBM09a, GBM09b, LD96, Dau88b, DP88, Dau95e, KLR95b, KLR97]. **Physical** [AD78b, AD79d]. **Physics** [Ano00, AD79b]. **Physiological** [WHB+14]. **plane** [DL96]. **plate** [DMV09, Koz06]. **platforms** [WP11]. **Point** [CDD+12, Dau96, DGSS99, PM11, XZCM06]. **points** [JZL98]. **Polyharmonic** [KK10, KKT10]. **polynomial** [DK85, KD84, LD11a, LD11b]. **polynomials** [Boe01, DKB99, DKLR12, DKLR14, Kar07, Kar10, KM12, Kla97, Nov02a, Nov02b, Nov02c, SS96, Tem96, Tem97]. **Population** [OWW+16]. **portfolios** [BDD+07, BDD+09]. **Portuguese** [VP13]. **potential** [NG05, NG06]. **power** [BSP98, UD97]. **pp** [Lun92]. **Practical** [CHT98, DY06]. **Pratt** [DLM+07]. **Precise** [RSD07b]. **Precision** [DY06]. **Prediction** [WHB+14]. **Preface** [Dau98a, Dau98b]. **presence** [KTJ09]. **present** [Dau97a]. **present-day** [Dau97a]. **preserving** [AD79a, AD78a, AD83, DAR13, DA15, Nov95]. **President** [Dau15]. **Press** [Lun92]. **Previous** [BBL+11]. **Princeton** [GBGL08]. **Principal** [P15, P15]. **principle** [Dau83b]. **privacy** [DAR13, DA15]. **Prize** [Ano12]. **Prizes** [Ano11a]. **Probabilistic** [WPS+14, WPS+13]. **Problem** [Bow03, XZCM06, Zha00]. **Problems** [DFL07, DRZ07, DFL08, DDD03, DDD04, Dau05, DTV07, LLC08, LQLC10b, LLC11, LD16, PSB+16]. **Proceedings** [JDB+14, SC00, SC02, TSS04]. **Process** [GKBD18, GKD19, GKBD19]. **Processing** [ACD+13, KK10, KKT10, PPR+15, JHB+08, Lin97b, TSS04]. **Procrustes** [AADL13, Dau11]. **product** [AD78b, LP01, RL97]. **Products** [DL92a, Du01, Won02, DL92b, DL01b, DL01a]. **professor** [Sta15]. **project** [GVO+11]. **Projected** [DFL07, DFL08]. **projective** [Dau80a]. **Proof** [DDFG08c, AD83]. **Propagation** [GLG94, WC02, PKG13, PR05, Bat93b]. **Properties** [CLG04, DGR83, Dau84, DJF11, Kla97]. **propositional** [AD79a, AD78a, AD79c, AD79d, AD83]. **pros** [CD02]. **pseudopotential** [GNG+08a, GNG+08b]. **Pulse** [WLD+16]. **Pursuit** [LG08].

**Quadratic** [DK83]. **quadrature** [NG05, NG06, PM11, PM13a, PM15]. **quality** [BSP98, KAB11]. **Quantification** [BBL+11, BBJ+09]. **quantify** [BLS+11a, BLS+11b]. **Quantitative** [YLB+15]. **Quantization** [DG80, DS15a, DS15b, ABMD90, Dau78a, Dau78b, Dau78c, Dau80b, Dau83a, DGR83, MDSW92]. **quantized** [CDL02, DD03]. **quantizers** [DDGV06]. **Quantum** [Dau80c, DK85, KD84, AD79a, AD78a, AD78b, AD83, KD82b]. **Quantum-mechanical** [DK85, KD82b]. **Queries** [CDD+12]. **Quincunx** [YD16, YD17]. **Quotient** [BBN+10b].

**radial** [DW01]. **random** [Ara13]. **Randomized** [ZGSD04, ZGSD06]. **Ranks** [Ano98]. **Raphael** [Lun92]. **Rate** [WLD+16, CD00, CDL07, DDFG08c]. **Ratio** [DGWY08, DGWY10]. **rational** [EGL11, EGL13]. **Ray**

[YCF+16, ABD+11, ABD+13, DMC+16c, DMC+16a, FCY+17, YDC+14]. **Raz** [DLL95]. **Re** [DDFG08a, DDFG08c, DDFG08b]. **Re-weighted** [DDFG08a, DDFG08c, DDFG08b]. **Reading** [Bon16]. **Real** [ADGT17, ADGT16, DK86, DKLR14, LG08]. **real-time** [LG08]. **Real-Valued** [ADGT17, ADGT16, DKLR14]. **reassignment** [CMDAF97]. **Receive** [Keh13]. **Recognition** [BBN+10a, BBN+10b, P15, SHN10, TB94, YMH+16, ZCY16]. **Reconstructing** [ADGT16, ADGT17, PAHD04, PAHD05]. **reconstruction** [ABD+11, APD06, EGL11, EGL13]. **Recovery** [DDFG08a, DDFG10, DDFG08b, DDFG08c]. **Recursive** [XYD16, XYD18]. **redundant** [CS99]. **refinable** [CDR96, CD96, CD97a, CDP97, DH94, DH95, Dau95b, DH04]. **reflex** [Huy08]. **Regression** [XYD16, XYD18]. **regularisation** [DDD16]. **Regularity** [CDP97, DGS99, DKLR12, DKLR14, CD96, CD97a, DL91, DL92b, LS00, Sun99]. **Regularization** [SP17, VD15, YGLD16, YGLD17, ZQW+19, CVN+13, LNDD06, LNDD07, LDN+08, LDN+10, VD17]. **Regularized** [ZQH+17]. **Related** [DG80, Boe01, CD92, Dau78c, DGR83, Nov02c, Tem96, Tem97]. **Relationship** [SP17]. **Relativistic** [DL83, DL84, DL05, LT05, Dau84]. **Removal** [CYG+17, FCY+17, YDC+14]. **Removing** [YCF+16]. **Repair** [Dau16]. **replication** [KLT+10]. **Reply** [DLM+07]. **represent** [AD79d]. **Representation** [Dau80c, DL96, LD96, Dau80a, HSZ97, Lu97, SZH97, TB94]. **representations** [RRD12]. **reproducing** [DKLR12, DKLR14]. **Research** [yGjZsC11]. **Resolution** [PZC+15, CD93d, CYV+13a, CYV+13b, PZC+12]. **resolving** [SLN+11a, SLN+11b]. **Respect** [ADGT17, ADGT16, Red15]. **Restoration** [ABD+13, RCP+11, CRG+13, DT05, DTV08]. **results** [Dau94b, Dau98c, Dau98d]. **Retrieval** [ADGY16, CCD16a, CCD16b, Sud16]. **Rev.** [CD97a]. **reveal** [KLT+10]. **Review** [Bat93a, C.93, Gri95, Grü92, Hei93]. **Reviews** [Dau93a, Hei92, Lun92]. **revisited** [DDD16]. **revitalize** [Dau16]. **Reweighted** [DDFG10, VD15, VD17]. **Ridge** [CDD+12]. **Risk** [OWW+16]. **RNS** [SK12]. **Robust** [DY06]. **Rock** [HPH09]. **Ronald** [Lun92]. **root** [Tas99]. **roots** [Kar07, KM12, Nov02a, Nov02b]. **rule** [PM15]. **rules** [AM08, PM13a]. **Ruskai** [Lun92]. **Russian** [Dau01].

**S** [CHT98]. **SADT** [SM12]. **samples** [CDL02]. **sampling** [JZL98]. **San** [Dau93b, Lun92]. **scale** [BAE11, DL91, DL92b, Dau97a, LLC11, PM11, PM13a, PM13b, PM15, SLN+11a, SLN+11b]. **Scaling** [ACV01, Ano11b, yGjZsC11, HN15, MRB+14a, Pol92b, Pol92c, RV09a, BDS98, ČF04, HN17, LS00, MRB+14b, Pol92a, SS98, Sun99, Wan01]. **scanning** [Ara13]. **Scattering** [CWC04, yGjZsC11, Zha00]. **scheme** [CD92]. **schemes** [BDV00, BD03]. **Schneider** [Ano93]. **science** [BDKP14]. **Sciences** [Ano98]. **search** [Tas00]. **search-optimized** [Tas00]. **searching** [WWFW98]. **Second** [JDB+14, EBJ+14, PM13b]. **secret** [Ara13]. **sector** [AAI13]. **segmentation** [FGDB17]. **seismic** [CVN+13, LDN+08, LDN+10, SLN+11a, SLN+11b]. **select** [DRT+09]. **selected** [Tas00]. **Self** [SM12]. **selfreciprocal** [Kla97]. **Sensitive** [YKIK04]. **separable** [CD93a, CD93b]. **Separation** [DMC+17, APD06, DMC+16b, DMC+16c, DMC+16a, APD06]. **sequence** [CXS04, XZCM06]. **Series** [Lu97, AIK10a, DW00b, Lun92, AIK10b].

**set** [CGB+15, GNG+08a, GNG+08b]. **Sets** [DL92a, DL01b, DL01a, BD03, Dau87, DGSS99, Tas99]. **shallow** [Zha00]. **Shannon** [JZL98]. **Shape** [BBL+11, XYD16, XYD18, BBJ+09]. **Shapes** [BPG+15]. **ship** [CT15]. **short** [Dau93b]. **shows** [Dau16]. **shrinkage** [KTJ09]. **Sigma** [DS15a, DS15b, DD03]. **Signal** [GLG94, NM13, Dau87, Dau90b, DMW92, Dau98e, Dau06c]. **Signals** [LD96, WLD+16]. **Similarity** [HD06, BLS+11a, BLS+11b]. **Simons** [Duk16]. **Simple** [AD83, DJJ91b, DJJ91a]. **Simpler** [HD06]. **Simplified** [STAV09]. **Simulation** [GLG94, PKG13]. **simultanées** [APD06]. **Simultaneous** [DT05, APD06]. **Single** [CD00, CDL07]. **Single-bit** [CD00, CDL07]. **singular** [LL00, PM13a]. **singularities** [PM13a]. **Sivashinsky** [DT14]. **Sleep** [Ano08]. **smooth** [CDR96, RSD04, RSD07a, RSD08]. **smoothest** [CDR96]. **smoothing** [CVN+13]. **smoothness** [Dau95b, Nov95, RF09a, RF09b]. **Snowbird** [SC00, SC02]. **Sobolev** [Sun99]. **Society** [Dau93b]. **Solution** [PM13b, GL94, Zha00]. **solutions** [DL91]. **Solving** [SLN+11a, SLN+11b, CXS04, DTV07, DT14]. **Some** [DJF11, DTV08, DGR83]. **sounds** [EBJ+14]. **source** [BDV00]. **Space** [GBM09a, GBM09b, CDR96, CDDD03, DG88, Dau88b, DP88, Dau91, Dau95e]. **Spaces** [Dau80c, Qix12, AD79c, CCD16a, CCD16b, Yan12]. **Sparse** [BDD+07, BDD+09, DRZ07, DDFG08a, DDFG10, JDB+14, VD15, ZGSD04, DDFG08b, DDFG08c, DKRS12, DKRS15, RRD12, VD17, ZGSD06]. **Sparsity** [DFL07, DFL08, DDD16, CVN+13, DDD03, DDD04, SLN+11a, SLN+11b]. **Sparsity-enforcing** [DDD16]. **Spatiogram** [PCR+11]. **speaker** [DM99]. **Special** [ACD+13, DMW92, KD96]. **Spectra** [HPH09]. **Spectral** [DRZ07, PKG13, Yos15, Tas00]. **spectrum** [Dau84]. **speed** [Dur96]. **sperm** [LG08]. **sphere** [SLBD11a, SLBD11b]. **spherical** [SLN+11a, SLN+11b]. **Spline** [HN15, Gao14, LD16]. **Squares** [DDFG08a, DDFG08c, DDFG10, VD15, DDFG08b, UD97, VD17]. **squeezing** [DM96]. **stability** [AM08, CD92]. **Stable** [ADGY16, BDD+07, BDD+09, DD03]. **Stage** [Ano08]. **Standard** [DC11]. **statements** [Dau83a, RSD07b]. **states** [Dau80a, Dau87, Dau91, Dau94a]. **statistical** [AHK13, BS94, CLG04]. **Steele** [Ano11a]. **steganography** [ST15]. **STEM** [BDKP14]. **Stephane** [Lun92]. **steps** [DS98, DS00]. **stochastic** [BD03]. **Stop** [ZQW+19]. **straat** [Gre11]. **strategies** [CDGO02, DDK05]. **street** [Gre11]. **structure** [AD79a, AD78a, AD83, FGDB17, GVO+11]. **structure-preserving** [AD79a, AD78a]. **structures** [CT15]. **Studi** [P15]. **Study** [CT15, P15, DDK05, OMOE14a, OMOE14b, PPR+15, Dur96, OWW+16]. **Sturm** [PSB+16]. **style** [WMJ+11]. **Stylistic** [JPB+09]. **subband** [CD92]. **Subbanding** [XWL07]. **subdivision** [DGS99, DGS01]. **sublattice** [AD79d]. **Subsampling** [YD16, YD17]. **subsystem** [AD79d]. **subsystems** [AD79b]. **Sunyaev** [PAHD04, PAHD05]. **Super** [PZC+12, PZC+15]. **Super-Resolution** [PZC+15, PZC+12]. **supervised** [PJB+09]. **Support** [Dau90a, Dau89a, PM11]. **Supported** [Dau88a, CDF92, CD93d, Dau93c, Dau06b, GB95b, GB95a, PKG13, WP05]. **Supporting** [PPR+15]. **Suppressing** [XTZ10]. **Surface** [BBL+11, LD09]. **surfaces** [AADL13, BLS+11a, BLS+11b, Dau11, LD11a, LD11b]. **surprises** [Gre11]. **symbols** [DW01]. **Symmetric** [GL94, LD96, WP05]. **Symmetry** [LCDF10]. **Synchrosqueezed** [DLW09,

DLW11, YLB+15, DWtW15, DWtW16]. **Synchrosqueezing** [WHB+14, WLD+16, WFD11]. **synthesis** [Abo94]. **system** [AD79a, Abo94, AD78a, AD78b, AD79d, Red15, Sud16]. **systematics** [FGDB17]. **systems** [AD78b, AD79c, AD83, DDK05, HŚ02b, HŚ02a, TSS04, WP05].

**table** [RM95]. **Tale** [YGLD16, YGLD17]. **Tap** [CKE17, MMC+13, SK12]. **Technique** [BBL+11, CD96, CD97a, DAR13, SM12, ST15, TDK15]. **Techniques** [Wel99b, Dau16, LDN+08, LDN+10]. **Technology** [JDB+14, BDKP14]. **Ten** [Dau92, Dau01, Hei92, Bat93a, C.93, Gri95, Grü92, Hei93]. **tensor** [AD78b, LP01]. **Texas.** [Dau93b]. **Their** [Lun92, RBC+92, SP17, CD92, Dau87, SLBD11a, SLBD11b]. **theme** [Dau93c]. **theorem** [CS99, DH94, Kar03, Kar04]. **theorems** [DJ93]. **Theoretic** [HD06]. **Theoretical** [ZGSD04, ZGSD06]. **theories** [BS94]. **Theory** [HW06, Lun92, MRB+14a, RGMD15a, CT15, HDH16, MRB+14b, RGMD15b]. **Thermal** [BBN+10b]. **thermodynamic** [DL94a, DL94b]. **Thought** [Dau05]. **Three** [GKBD19]. **Three-Dimensional** [GKBD19]. **threshold** [XTZ10]. **thresholding** [DDD03, DDD04, TDK15]. **Time** [CHT98, Dau88b, DP88, Dau97b, DWtW15, AIK10a, DK86, Dau89b, Dau90b, Dau95a, DLL95, Dau97a, Dau98e, Dau06c, DWtW16, KLC05, LG08, LD11a, LD11b, NKM12, AIK10b, YLB+15]. **time-domain** [KLC05]. **Time-Frequency** [Dau97b, CHT98, Dau89b, Dau95a, DLL95, Dau98e, Dau06c, NKM12, YLB+15]. **time-scale** [Dau97a]. **Tomographic** [LNDD06, LNDD07, SLN+11a, SLN+11b]. **tomography** [CVN+13, LDN+08, LDN+10]. **Tool** [DLW09, Dau89b, DLW11, OMOE14a, OMOE14b]. **Tools** [Dau97b]. **Tooth** [BBL+11, BBJ+09]. **Topic** [WPS+14, WPS+13]. **traces** [Du01]. **Transfer** [YMH+16]. **Transform** [BBN+10b, DG80, DC11, MMN+11, SM12, WLD+16, YKIK04, ZGSD04, Ano16a, ABMD90, ABMD92, CD97b, Dau78c, DGR83, Dau90b, DM96, Dau98e, Dau06c, DWtW15, DWtW16, DAR13, DA15, KTJ09, KKJ+10, LK91, MDSW92, NKM12, NY15, ST15, Sud16, ZGSD06]. **Transformasi** [SG13]. **Transformation** [Ano11e, JZL98, RV09b, AIK10a, Lin97a, AIK10b, AIK10a]. **Transformations** [Ano11d, Van08, Dau80a]. **Transforms** [CHT98, DLW09, RB98a, YLB+15, CDSY97, CDSY98, CDV93, DMW92, Dau93d, DS98, DS00, DP02, DLW11, Du01, SLBD11a, SLBD11b]. **Transient** [NKM12]. **Transitive** [GYD+18]. **Transportation** [LD09]. **Traveling** [JDB+14]. **treatment** [PPR+15]. **Tree** [CDDD01]. **trellis** [MDSW92]. **True** [DK86]. **truncation** [DH95]. **Tumors** [MMN+11]. **Tutorial** [Lun92]. **TV** [SP17]. **Two** [DL91, DL92b, DJ93, Dau94b, YGLD16, YGLD17, AD78b, AADL13, BAE11, DH04, Dau11, WFD11, XZCM06, APD06]. **two-point** [XZCM06]. **Two-scale** [DL91, DL92b, BAE11]. **Type** [HN15, BDS98, DT14, HSZ97, KK10, KKT10, LP01, LW09, PM13b, PM15, RF09a, RF09b]. **typical** [Huy08]. **typische** [Huy08].

**ultra** [CYV+13a, CYV+13b]. **Ultrasound** [MMN+11, GEV12, KKJ+10]. **Uncertainty** [Nov98, Dau83b]. **Uncovering** [WMJ+11]. **underpainting** [ABD+11]. **underwater** [PR05]. **unified** [HN17]. **University** [Ano05]. **Unsigned** [ADGT17, ADGT16]. **use** [Dau87, DP88]. **used** [Dau16, Nov02a, Nov02b]. **Using** [BBN+10b, Dau95b, Dau16, MMN+11, P15, RCP+11, WLW06, WC02, WPS+14, YLB+15, AD78b, Ano08, ABMD90, ABMD92, BD03, BS94, CDSY97, CGB+15, CHXL06, DD03, DA15, EBJ+14, GEV12,

JPB+09, KAB11, KKJ+10, KLC05, LG08, LQLC10a, LNDD06, LNDD07, MMC+13, MDSW92, NY15, NM13, PMK16, PKG13, PM13b, PSB+16, PJB+09, RGMD15a, RGMD15b, RL97, RSD07a, RSD08, SHN10, ST15, Sud16, TDK15, VP13, WWFW98, WPS+13, XZCM06]. **Utah** [SC00, SC02]. **utilizando** [VP13].

**value** [XZCM06]. **Valued** [ADGT17, ADGT16, DKLR14]. **Values** [Ma16]. **variable** [PM13a]. **variables** [DKP87]. **Variants** [HPH09]. **Variation** [GYD+18]. **Variational** [BS94, DT05, RRD05, RRD12, DT04]. **Variations** [Dau93c]. **vector** [ABMD90, MDSW92]. **vectors** [CDP97]. **vejvletam** [Dau01]. **Ventilator** [WHB+14]. **verrast** [Gre11]. **versus** [UD97]. **very** [DD03]. **via** [DWtW15, DWtW16, DMC+16c, DMC+16a, HŚ02b, HŚ02a, WHB+14]. **view** [Dau96]. **VII.3** [Dau08]. **village** [Gre11]. **Vincent** [JHB+08]. **Virtual** [ABD+11, RCP+11, CRG+13]. **Visual** [BBN+10b, RM95]. **vitesse** [Dur96]. **VLSI** [LK91, MMC+13]. **vol** [DL01a]. **Volume** [Lun92]. **vs** [SYSP11, SYSP12]. **VUB** [Ano05].

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VBU05b, WWFW98, WPS+13, XZCM06, XWL07, Yan12, lZqJmTjZ08, Dau93a, Grü92, Lun92, Bat93a, C.93, Gri95, Grü92, Hei92, Hei93, Dau93a, Lun92]. **waves** [Dau93e]. **way** [BBJ+09]. **Weaning** [WHB+14]. **Weave** [YLB+15]. **weighted** [CD97b, DDFG08a, DDFG08b, DDFG08c]. **weights** [PM15]. **Wexler** [DLL95]. **Weyl** [BD03, Dau80b, Dau83a, Du01]. **whale** [LG08]. **Where** [Dau96]. **Which** [DL92a, BBJ+09, DL01b, DL01a]. **White** [DC11, XTZ10]. **white-noise** [XTZ10]. **Who** [BBJ+09]. **Wide** [PR05]. **Wiener** [DK85, DKP87, Dau91, KD82b, KD84]. **Wilson** [DJJ91a, DJJ91b, NKM12]. **windowed** [BDV00]. **Winner** [Duk14]. **wire** [lZqJmTjZ08]. **Wiskundige** [Ano05, Gre11, Huy08]. **without** [LK91]. **Women** [CL05, Ano14, Dau95d]. **Work** [ACD+13, Dau10, Dau16]. **Workshop** [JDB+14, DKRS12, DKRS15]. **world** [Sta15]. **writing** [Bon16].

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