

INDEX

- Abramowitz, M. A., 422, 537
Achenbach, J. D., 537
Acoustic waveform inversion, 444
Acoustics, transient linear, 354
Adams, A. T., 298
Adaptive echo canceller, 590, 606
Adaptive signal processing, 568,
590, 594
Adjoint state technique, 445
Adjoint states, 426
Aitken's extrapolation, 355, 368
Aliasing, 176, 179, 187, 191, 214,
227, 366
Allen, J. L., 623
Annealing, simulated, 427
Anton, H., 624
Appel-Hansen, J., 421
Arnold, R. G., 325
Array patterns, 619
Arsenin, V. Y., 538
Arvas, E., 24, 102, 128, 157, 236,
299, 326, 349, 388, 421, 450
565, 587, 623
Athar, K., 565
Atsuki, K. 565
Autocorrelation and crosscorrela-
tion, 610
Autocorrelation matrix, 13, 597
Axelsson, O., 588
Azimi, M., 386
- Backward difference, 509, 510
four-point, 488
three-term, 484
Backward radiation, 394
Bailey, M. C., 325
Balakrishnan, N., 237
Balmain, K. G., 422
- Baribaud, M., 453
Barker, V. A., 588
Barkeshli, K., 159, 236, 238
Barrick, D. E., 350
Bates, R. H., 563
Beaubien, M. H., 564
Bell, M. M., 128
Bellanger, M. G., 587
Bennett, C. L., 386, 534, 535
Bernard, R. J., 535
Bialy, H., 101
Bistatic patterns, volumetric, 207
Bjorck, A., 389
Body-of-revolution, 272
Bojarski, N. N., 236, 348
Bokhari, S. A., 237
Bolomey, J. Ch., 386, 387, 535
Borgnis, F. E., 126
Born approximation, 429
Born's approximated anomalous
field, 363
Borup, D., 236, 296, 349, 388
Boundary conditions,
higher order, 214, 216, 220
Bowles, J. B., 349
Bracewell, R. N., 327
Brakhage, H., 126
Brandt, D. W., 126
Bridges, W. B., 565
Brigham, E. O., 236, 296, 389
Bromwich inversion integral,
464, 468
Brown's objective function, 440
Brown, J., 421
Brown, R. T., 534
Broyden, C. G., 451
Brule, J., 587, 624
Buckley, A., 451
Bulley, R. M., 564

- Burden, R. L., 158
 Burrus, C. S., 238
 Butler, C. M., 349
 Byrd, H. R., 452
- Cadilhac, M., 453
 Cagniard-De Hoop contour, 466
 Cagniard-De Hoop method, 465
 Canadas, G., 453, 454
 Capece, P., 326
 Carson, J. R., 23
 Carter, P. S., 23
 Catedra, M. F., 126, 236,
 296, 301, 326
 Cauchy's theorem, 464, 487
 Cavity resonances, 140, 142
 Central difference formulas, 230,
 336, 509, 510
 Central difference rule, 508
 Chan, C. H., 239, 241, 296,
 298, 388
 Chapel, F., 423, 454
 Chen, H., 350, 587, 624
 Cho, S. H., 624
 Choi, S., 589, 623
 Chommeloux, L., 386
 Christodoulou, C. G., 236
 Cicchetti, R., 326
 Circular discrete convolution, 262
 Circular waveguide modes, 140
 Clusters methods, 427
 Coated perfectly conducting plate,
 207
 Cohen, M. R., 23
 Collin, R. P., 422
 Collins, J. B., 564
 Colton, D., 350
 Compressional (P) waves,
 cylindrical, 351
 in steel, 373
 Condition number, 139, 161, 249
 Conjugate direction method, 249
 Conjugate gradient-FFT, 301, 330
 Contrast function, 359
 Contrast, scalar or tensorial, 478
 Convergence theorems, 433
 Convergence, global, 428, 449
 Convolution and correlation
 products, 375
 Convolution integral, 180
 Convolution theorem, 162
 Convolutional kernels, 261
 Corner reflector, 340
 Corr, D. G., 564
 Cote, M. G., 126
 Covariance matrix, 13, 568, 578
 Crawford, M. L., 422
 Crelatt, C. D., 450
 Cross polarization currents, 198
 Crosscorrelation vector, 597
 Cuevas, J. G., 236, 296, 326
 Cwik, T., 297, 298, 326
 Cylindrical measurements, 408
- D'Aboville, O., 451
 Dahlquist, G., 389
 Daly, P., 564
 Damaskos, N. J., 534
 Daniel, J. W., 64, 387, 588
 Daniel, S. M., 297
 Datta, S. K., 386
 Davey, K. R., 239, 298
 Davidon, W. C., 587
 Davidson, D. B., 297
 Davis, J. B., 564
 De Hoop, A. T., 387, 536, 537
 Dennis, J. E., 452
 Deshpande, M. D., 325
 Dianat, S. A., 536, 538, 587, 624
 Differential operators, 334
 Differential-integral equation of
 convolution type, 347
 Diffraction tomography
 algorithms, 352
 Dirichlet's boundary, 546
 Discrete Fourier transform,
 two-dimensional, 407
 Discrete convolution, 261, 335

- Discrete operator equation, 343
 Discrete wave equation, 548
 Discretization, 161, 227, 259, 307
 error, 481, 51
 method of moments, 244
 Djordjevic, A. R., 24
 Dohner, J. L., 535
 Dongarra, J., 126
 Dorny, C. N., 587
 Dubberley, J. R., 128
 Duchene, B., 351, 385
 Dudgeon, D. E., 623
 Dudley, D. G., 388, 538
 Durix, Ch., 535
 Dyadic Green's function, 305
- Echo signal, 608
 Edge waves, travelling, 198
 Edison, I. G., 325
 Eftimiu, C., 126
 Egardt, B., 587
 Eigenvalues, clustering, 581
 El-Akily, N., 386
 Elastodynamic and acoustic
 problems, 476
 Electric and magnetic vector
 potentials, 547
 Electric potential, scalar, 133
 Elliott, D. F., 327
 Elliott, R. S., 623
 Elman, H. C., 101
 Equivalent homogeneous medium
 (E.H.M.) method, 449
 Error accumulation, 481
 global, 483, 488, 522
 local, 483
 Error functional, 246-248
 Error norm, 349, 254
 Eschenbacher, P. W., 238
 Evans, D. J., 297
 Exterior resonances, 152
 External resonances, 146, 155
 Extraneous eigenvalues, 260
 Extreme eigen-problem, 581
- Faires, J. D., 158
 Fast Fourier transform, 160, 262,
 311, 324, 329, 335, 366,
 prime factor, 232, 233
 two-dimensional, 270, 286
 Felsen, L. B., 537
 Feuer, A., 624
 Fiacco, A. V., 450
 Fienup, J. R., 587
 Filters, finite impulse response,
 607
 Finite difference
 method, 245, 547
 operators, 330-336
 Finite element method, 347
 Finlines and slotlines, 557, 558
 Flannery, B. P., 327, 537
 Fletcher, R., 451, 588
 Fletcher-Reeves conjugate gradi-
 ent algorithm, 438
 Fluid acoustics, 355
 Fluid ultrasonics, 363
 Forral, D., 327
 Forward difference, 508, 510
 Fourier transform,
 continuous, 309
 discrete, 163, 179, 330, 348
 Frequency selective surfaces, 288,
 Friedman, M. B., 533
 Friis, H., 23
 Fuhrmann, D. D., 587
- Gabow, B. S., 450
 Gago, E., 126, 238, 301, 326
 Galan-Malaga, H., 452
 Galerkin testing procedure, 283
 Galerkin's method, 20, 290, 353
 Gandhi, O. P., 236, 296, 349, 388
 Gateaux derivative, 94
 Gauss' quadrature, 316, 413
 Gauss' theorem, 460
 Gauss-Jordan inversion, 352
 Gauss-Legendre quadrature, 582
 Gauss-Newton formula, 431

- Gaussian elimination, 118, 121,
 137, 144, 161
 Gaussian noise, white, 579
 Gay, D. M., 453
 Geophysical inverse problem, 441
 Ghijsen, W. J., 65
 Gill, P. E., 452, 538
 Gilreath, M. C., 23
 Glisson, A. W., 299, 326
 Glover, K. J., 236, 349
 Goldstein, A. A., 452
 Golub, G. H., 101, 297
 Gomez, S., 450
 Goode, B. B., 623
 Gopinath, A., 564
 Gosselin, O., 451
 Green's function,
 n-dimensional space-time, 461
 Green's theorem, 352, 358
 Griffiths, L. J., 623
 Groove, ground plane, 216
 Gruner, L., 564
- Hankel function, 134
 Hankel matrix, 21, 579
 Hanning and Welch's windows,
 316
 Harrington, R. F., 24, 64, 126,
 157, 237, 297, 349
 386, 421, 564
 Hasselot, C., 453
 Haupt, R., 237
 Herman, G. C., 387, 535
 Herscovici, N., 239
 Hessian,
 nonquadratic functional, 577
 Rayleigh quotient, 569, 575
 Hestenes, M. R., 64, 158, 235, 297
 Heyman, E., 325, 537
 Hiebert, K. L., 453
 Hilbert inner product, 7, 8, 22
 Hilbert space, 67, 68, 70, 504
 Hildebrand, F. B., 537
 Hillstrom, K. E., 450
- Hirose, S., 386
 Hockney, R. W., 348
 Hodge, D. B., 327
 Holberg, O., 453
 Hornsby, J. S., 564
 Hotelling, H., 126
 Howard, A. Q., Jr., 454
 Huddleston, P. L., 126
 Hurst, M., 349
 Hybrid mode equations, 540
- Ill-conditioning, 139, 146, 155,
 242, 249, 256-260
 Image theory, 396
 Impedance boundary, 215
 Impenetrable cylinder, 493
 Implicit matrix operator, 264
 Improvement condition, 33
 Initial residual norm, 255
 Initial residual, 138, 254-260
 Integral equation,
 combined field, 107, 136, 152
 combined source, 132, 136, 152
 contrast-source, 490
 dual-surface, 103, 107, 113
 electric field, 109, 133, 260,
 265, 272, 280, 304,
 330, 471
 extended, 106, 108
 magnetic field, 134, 471, 498
 mixed potential, 303
 moment method, 132
 second kind, 470, 474
 second kind Fredholm, 352
 surface, 261
 time domain, 532, 456, 458
 Interior resonances, 152, 498
 Interior resonant frequency, 139
 Internal body resonances, 155
 Inverse problem,
 seismic, 447
 stratified dielectric medium, 437
 Iteration schemes, 81, 100
 Iterative algorithms, 246, 568

- Itoh, T., 326, 565
Isadian, J., 386
- Jacobi-type algorithm, 243**
- Jain, V. K., 24
Jameson, J. R., 534
Jannane, H. N., 453
Jansen, R. H., 325
Jennings, A., 297
Jensen, F., 421
Jin, J. M., 238, 239
Joachimovicz, N., 389
Johnson, G. E., 588
Johnson, H. W., 238
Jones, D. S., 126
Jordan's lemma, 464-468
Jordan, E. C., 422
Jouvie, F., 386
Joy, E. B., 421
Jull, E. V., 421
- Kailath, T., 587
Kak, K. C., 386
Kantarovich, L. V., 565
Karel, L., Jr., 237
Karlsson, A., 386
Karp, S. N., 237
Kas, A., 157, 297, 350, 389
Kastner, R., 239, 297, 325, 348
Kato, K., 101
Kaufman, J. F., 236
Kennett, B. L. N., 451
Kerns, D. M., 421
Kilberg, S. A., 237
Kirkpatrick, S., 450
Kitahara, M., 386
Klein, C. A., 126
Kleinman, R. E., 65, 101, 350
Ko, W. L., 298, 348
Kolb, P., 453, 454
Kress, R., 350
Kreyszig, E., 65
Krichbaum, C. K., 350
- Krylov method, 86-100
Krylov, V. I., 588
Kuester, E. F., 537
Kumagai, N., 128
- Lade, R., 539, 565
Lagrange interpolation, 337
Laplace transformation, temporal,
463, 530
Leach, W. M., 421
Leakage, 394
Least mean square (LMS)
algorithm, 597
Lenir, A., 451
Lerch's theorem, 463-468
Lesselier, D., 351, 385, 452, 535
Levenberg, K., 452
Levy, A. V., 450
Liepa, V. V., 237
Line search, 429-443
optimal, 571-577
Linear dipole antenna, hollow, 272
Linear discrete convolution, 262
Linear predictor, 590
Lions, J. L., 450
Lipschitz condition, 434
Liu, B., 587
Local quadratic model, 427
Locus, S. S., 127
Lu, Y. P., 534
Luenberger, D. G., 452
- Magnetic current, 135-137
Manela, M., 565
Mantey, P. E., 623
Marching-on-in-time
error, 481
method, 456-532
Marquardt, D. W., 452
Martin, J. L., 126
Marx, E., 535-537
Matrix operator, MOM, 257
Matsuhara, M., 128

- Maue, A. W., 126
 Mautz, J. R., 24, 126, 127, 157, 238, 350
 Maystre, D., 453, 454
 McCormick, G. P., 450, 452
 McNamara, D. A., 297
 Method of moments, 2-31, 170, 244, 264, 330, 392
 Method of steepest descent, 610
 Metric, variable, 572
 Michalski, K. A., 327
 Michiguchi, Y., 386
 Microstrip array, 409, 416
 Microstrip patch, 317
 Microwave hyperthermia, 354
 Mieras, H., 386, 534, 535
 Miller, E. K., 127, 158, 386, 534
 Miller, T. W., 623
 Millet, V., 453
 Minima, global, 427, 428, 446
 Minimisation algorithms, 429, 435, 439, 449
 Minimisation, functional, 571
 Minimising residuals, 377
 Minimum eigenvalue problem, 584
 Minimum/maximum eigenproblem, 586
 Mitra, R., 126, 157, 238, 241, 297-300, 326, 348, 388, 534
 Mitsner, K. M., 127, 534
 Modal expansion, cylindrical, 420
 Modal expansion, spherical, 417
 Modified Bessel functions, 169
 Modified Green's function, 304, 314, 322
 Moment matrix, 400
 Montarnal, A., 453
 Montgomery, J. P., 239, 298
 Monsingo, R. A., 623
 More, J. J., 450-452
 Morita, N., 127
 Mosig, J. R., 325
 Muller, C., 127
 Multilayer media, 322
 Multilinear search algorithms, 429
 Multipath interference, 617
 Multipath telecommunication, 615
 Mur, G., 65, 101
 Murray, F. H., 127
 Murray, W., 452, 538
 Nano, L., 238
 Narayanan, V., 539
 Narrow band signal, 598
 Near-field measurements, 391-393
 Neilson, H. C., 534
 Neumann iteration, 71
 Neumann's
 condition, 546
 expansion, 369, 379
 procedure, 371
 series, 100, 352, 363-373
 Newell, A. C., 422
 Newman, E., 237, 327
 Newton algorithms, 430
 Newton descent, 571, 572, 573
 Newton-Kantorovich algorithm, 431
 Ng, F. L., 563, 564
 Nica, A. J. A., 65, 101
 Niwa, Y., 386
 Non-destructive testing, 354
 Non-resonant frequencies, 146
 Normalised residual, 138, 145, 148
 Nuno, L., 126, 236, 296, 326
 Nyo, H. L., 298
 Nyquist criterion, 168
 O'leary, D. P., 101
 Objective function, 426-449
 Ogawa, Y., 623
 Ohmiya, M., 623
 Operator conditioning, 146
 Operator equation,
 continuous, 243
 Oppenheim, A. V., 298, 422
 Optimisation
 algorithms, 425

- constrained, 425
- local, 427
- problem, 425
- theory, 426
- Orfanidis, S. J., 624
- Oshiro, F. K., 127
- Osumi, N., 385
- Over-relaxation
 - method, 97
 - successive, 84, 96, 100
- Overdetermined system, 243

- Panic, I. O., 127
- Papas, C. H., 126
- Parallelization, 235
- Paris, D. T., 421
- Patterson, W. M., 101
- Pearson, L. W., 298
- Penot, J. P., 453
- Periodic Green's function, 290
- Perry, T. S., 127
- Peters, L., 386
- Peters, T. J., 236, 237, 298
- Peterson, A. F., 127, 157, 236, 241, 298, 326, 348, 387
- Physical optics, 198, 346
- Pichot, Ch., 386, 389
- Piecewise sinusoidal (PWS)
 - expansion, 165
- Pisarenko harmonic
 - decomposition, 584
- Pisarenko, V. F., 588
- Planar antenna, 408
- Planar aperture, 396
- Planar measurements, 406
- Planar modal expansion, 417, 418
- Poggio, A. J., 127, 158, 534
- Point matching, 405
- Polack, E., 451
- Polarisation current,
 - contrast-source, 476
- Pollack, H. O., 588
- Ponnappalli, S., 391
- Powell's generalized objective
 - function, 440
- Powell, M. J. D., 451, 452, 588
- Pozar, D. M., 237, 325, 327
- Praagman, N., 387
- Preconditioned conjugate-gradient
 - method, 51, 63
- Preconditioner, 64, 100
- Preconditioning, 28, 39, 41, 46, 64, 132, 255, 343, 435, 437
- Preconditioning operator, 40, 47, 49, 54, 59
- Press, W. H., 327, 537
- Pries, D. H., 299
- Probe compensation, 393, 418
- Prolate spheroidal function, 582
- Pulse window, 315

- Q of exterior resonances, 148
- Quadratic objective function, 430, 441
- Quasi-Hessians, 431
- Quasi-Newton algorithm, 431, 440
- Quasi-Newton descent, 573
- Quasi-TEM analysis, 540

- Radar Cross Section,
 - backscatter patterns, 203
 - bistatic, 316
 - grazing incidence, 341
 - metallic plates, 192, 202, 304
- Radiation,
 - dipole in the presence
 - of a plate, 193
 - thin wire antenna, 168
 - thin wire dipoles, 161
- Rank-one formula, 442
- Rao, K. R., 327
- Rao, S. M., 157, 236, 299, 325, 349, 388, 421, 536, 587
- Ray, S. L., 127, 241, 299, 387
- Rayleigh quotient, 568, 573, 576
- Reaction concept, 1, 6, 17, 22
- Rumsey, 449

- Reciprocity, 3, 22
 Reddy, V. U., 587
 Reeves, C. M., 451, 588
 Reid, J. K., 564
 Relaxation method, 457, 516-532
 Relaxation parameter, 523-527
 Residual norm, 249, 260
 Residual polynomial, 254, 259
 Residual, 144, 152, 160, 253,
 369, 507, 550
 Resistive
 card, 331
 plate, 191-198
 sheet, 173-178
 tapered, 176
 Resonance,
 cavity, 113
 size, 321
 spectral density of, 142
 Richard, V., 454
 Richmond, J. H., 23, 237, 299,
 386, 389
 Ricoy, M. A., 237
 Riesz, F., 101
 Ring singularity, 187
 Rinnooy Kan, A. H. G., 450
 Ritter, K., 452
 Roach, G. F., 101, 128
 Roger, A., 387, 423, 450-454
 Ross, G. F., 535
 Rothweiler, J. H., 238
 Roundoff error, 137, 139, 426
 Ruck, G. T., 350
 Rumsey, V. H., 23, 454
 Rynne, B. P., 536, 537

 Saad, Y., 101
 Sabban, A., 325
 Sancer, M. I., 236, 349
 Sangruji, N., 624
 Sarkar, T. K., 24, 102, 128, 157,
 236, 299, 325, 349, 387, 421,
 450, 536, 565, 587, 623
 Scalar potential, electric, 272

 Scaling and preconditioning, 436
 Scanning,
 cylindrical, 391, 392
 cylindrical and spherical, 405
 planar, 393, 419
 spherical, 392, 419
 Scattering,
 composite structures, 161
 dielectric and resistive strips,
 161
 dielectric cylinder, 184, 265
 impenetrable obstacle, 497
 material filled groove, 214
 resistive strip, 171
 three-dimensional,
 two dimensional
 Schafer, R. W., 298, 422
 Schelkunoff, S. A., 23
 Schenk, H. A., 128
 Schmidt, L. P., 565
 Schnabel, R. B., 452
 Schuetz, I. S., 101
 Schultz, M. H., 101
 Schuster, G. T., 387
 Schweig, E., 565
 Search direction, 504, 604
 Segal, A., 387
 Seismic data, 446
 Seismic modeling,
 lateral inhomogeneities, 354
 Seismograms, 353, 429, 441
 Self-impedance matrix, 400
 Senior, T. B. A., 237, 238
 Shaw, R. P., 533, 534
 Shen, C. Y., 236, 329, 349, 350
 Shifted sampling function, 312
 Shirron, J., 101
 Shoureshi, R., 535
 Shultz, G. A., 452
 Siarkiewics, K. R., 157,
 299, 387, 623
 Silvester, P., 564
 Singular frequencies, 135
 Singular linear operators, 136
 Singular-value decomposition, 519

- Singularity expansion method, 497
 Sinusoidal current distribution,
 413
 Slepian, D., 588
 Slotline, 563
 Smith, C. F., 127, 157, 299, 388
 Smith, L. C., 387
 Smith, P. D., 537
 Sommerfeld radiation, 358
 Sorensen, D. C., 451
 Sparse systems, 259
 Sparsity, 256, 264
 Spatial Fourier transformation,
 460-465, 530
 Spatial singularities, 176
 Spectral iterative technique, 330
 Spectral spreading, 176
 Spherical measurements, 393
 Spielman, B. E., 564
 Spurious resonances, 114
 Spurious wavelets, 522, 525
 Stakgold, I., 24
 Stationarity, 427
 Stationary over-relaxation, 100
 Stearns, S. D., 623
 Steepest descent
 algorithm, 137, 430, 571, 594
 method of, 436, 596
 Stegun, I. A., 537
 Steifel, E., 64, 158, 235, 297,
 300, 387, 451
 Strang, G., 235, 350
 Stratigraphy, 447
 Stratton, R. F., 157, 299, 387, 623
 Stroud, A. H., 588
 Stuart, W. D., 350
 Stutzman, W. L., 237
 Su, C-C., 238, 300, 389
 Symes, W. W., 454
 Symmetrization, 40, 41, 45, 64
 Sz.-Nagy, B., 101

 Tabbara, W., 385, 386, 452
 Telephone communication, 612

 Temperton, C., 238
 Terpolilli, P., 451-453
 Teukolsky, S. A., 537
 Thermal noise, 615, 617
 Thevenins's and Norton's
 equivalent circuits, 400
 Thiele, G. A., 237
 Thin material plate, 188
 Thompson, P. A., 587
 Tjhuis, A. G., 24, 65, 387, 451,
 455, 534-537
 Tikhonov, A. N., 538
 Time-domain integral equation,
 discretized, 519, 521
 Timmer, G. T., 450
 Tobin, A. R., 128
 Toeplitz
 algorithms, 261
 block, 393, 406
 matrix, 263, 269, 600, 609
 structure, 245, 256, 264,
 270, 280
 symmetries, 243
 Toro, E., 454
 Townsend, M. A., 588
 Toyoda, I., 128
 Training signal, 608
 Transient scattering,
 cylinder, 501
 electromagnetic waves, 456,
 469, 530
 Transmission line, shielded, 539
 Triangle window, 316
 Triangular patches, 282
 Trust region algorithm, 331-443
 Tsao, C. H., 300, 348
 Tseng, F. I., 24
 Tunneling methods, 427

 Ueno, K., 385
 Umashankar, K. R., 387
 Uniqueness theorem, 14
 Ursell, F., 128
 Uslenghi, P. L. E., 534

- Vaccaro, R., 587, 588
 Van Loan, C. F., 101, 297
 Van den Berg, P. M., 65, 101, 236,
 300, 349, 387, 451, 536
 Van der Hijden, J. H. M. T., 537
 Varvatsis, A. D., 236, 349
 Vecchi, M. P., 450
 Vector and parallel processing,
 231
 Vector potential, 189, 403
 magnetic, 133, 134, 541
 electric, 137, 541
 Vectorization, 235
 Vegni, L., 326
 Velocity contrast, negative, 514
 Vetterling, W. T., 537
 Vichnevetsky, R., 349
 Virtual point, 548
 Volakis, J. L., 159, 236-239, 298
 Volume integral formulation, 359
 Von Neumann stability, 486
 Vuillet-Laurent, D., 386
- Wacker, P. F., 421
 Walsh, J. E., 564
 Wang, J. J. H., 23, 128
 Wang, Y. F., 534
 Waterman, P. C., 128
 Waveguide
 arbitrary shaped, 541
 centered dielectric, 558
 coaxial rectangular, 556
 cutoff frequencies, 134
 dielectric filled, 539
 dielectric loaded, 556
 hollow rectangular, 551, 552
 L-shaped, 553
 open ended cylindrical, 417
 single ridge, 554
 T-septate, 556
 vaned rectangular, 556
- Weaver, H. J., 349
 Weeks, W. L., 534
 Weiner, D. D., 24
 Weinstein, E., 624
 Werner, P., 126
 Weston, V. H., 102
 Wexler, A., 564
 Wheeler III, J. E., 128, 131
 Widder, D. V., 536
 Widrow, B., 623
 Wiemans, R., 537
 Wiener solution, 595
 Wiener-Hopf equation, 596
 Wilkinson's growth factor, 259
 Williamson, P. R., 451
 Wilton, D. R., 128, 131, 299,
 326, 349
 Window functions, 315
 Windowed Green's function,
 305, 322
 Wolfe, P., 452
 Woodworth, M. B., 126, 129
 Worlton, J., 126
 Wright, M. H., 452, 538
- Yaghjian, A. D., 126, 421, 537
 Yamashita, E., 565
 Yang, X., 25, 128, 388, 450, 565,
 587, 623
 Yip, E. L., 157, 297, 350, 389
- Zangwill, W. L., 452
 Zero-padding, 366
 Zheng, D., 327
 Zorpette, G., 127
 Zucker, F. J., 422