

Curriculum Vitae

YUAN JIN YUN Full Professor of Computational Mathematics

Address: Departamento de Matemática - UFPR
Centro Politécnico, Jardim das Américas
CP: 19.081 CEP:81531-990, Curitiba, Brazil
Tel: 0055+(041) 3361-3400/3041/3026 (office)
0055+(041) 9916-7488 (cell.)
Fax: 0055+(041) 3361-3400/3029
e-mail: jin@ufpr.br, yuanjy@gmail.com

Citizenship: Brazil

Education:

Degree	Year	Institution	Area	Advisor
D.Sc.	08/1991–12/1993	IMPA ¹ , Brazil	Applied Math.	A.N. Iusem
M.Sc.	09/1986–05/1988	SEU, China	Applied Math.	R.F. Zhou
B.Sc.	03/1978–01/1982	NIT, China	Mathematics	

Employment & Main Professional Activities:

1. Full Professor, Department of Mathematics, Federal University of Paraná, Brazil, July, 1996 - present.
2. Director of Institute of Industrial Mathematics, UFPR/FIEP, Brazil, Dec. 2010 to present.
3. Concurrent Full Professor, Department of Applied Mathematics, Southeast University, China, January, 1998 - present.
4. Concurrent Full Professor, Xian Jiao Tong University, China, Oct., 2011 - present.

5. Vice-President of Brazilian Society of Applied and Computational Mathematics, 2008-2011.
6. Member of Academic Committee (final decision) on Mathematics of Brazilian NSF, 2009-2011, 2015-2017.
7. Member of Evaluation Committee of Ministry of Sciences and Technology of Brazil, 2011-2020.
8. **Coordinator** of Developing Center, Millennium Institute, Paraná, Brazil, since 2002-2012.
9. **Coordinator** of Developing Center of Paraná, **Coordinator** on Industrial Mathematics, National Institute of Sciences and Technology, Brazil, since 2002-2012.
10. **Regional Academic Coordinator** of Brazilian Mathematical Society in Paraná State, Brazil, since 2002.
11. **Member** of Editorial Board, **Numerical Linear Algebra with Applications**, Oct. 2001-Dec., 2009.
12. **Associate Editor** of **Applied Mathematics and Computation** since Jan. 2008.
13. **Member** of Editorial Board, **Journal of Applied Mathematics**, since 2010.
14. **Member** of Editorial Board, **American Journal of Computational Mathematics**. since 2010.
15. **Guest Editor** of the special issue of **Optimization** for Alfredo Iusems 60th Anniversary, 2011.

16. **Guest Editor** of the special issue of **Mathematics and Computer in Simulation** for Brasil-China Symposium on Computational Mathematics, 2010.
17. **Guest Editor** of the special issue of **Applied Numerical Mathematics** Vol. 47 (2003).
18. **Guest Editor** of the special issue of **Numerical Algorithms** Vol. 35, No. 2-4 (2004).
19. **Guest Editor** of the special issue of **Applied Mathematics and Computation**,200-2 (2008)
20. **Guest Editor** of the special issues of **Numerical Linear Algebra with Applications**, 14-4 (2007) and Foz2006 (2008).
21. Visiting professor invited by Professor Russell at Simon Fraser University, Canada, April, 2003 a July 2004.
22. Visiting Scholar invited by Prof. Gene Golub at Stanford University, Aug. 1998 a Out. 1999.
23. Visiting Associate Professor, Department of Mathematics, Federal University of Paraná, Brazil, December, 1993-July, 1996.
24. Assistant Professor, Department of Applied Mathematics, Southeast University, China, June, 1988-June, 1991.
25. Professor Assistant, Department of Radio Engineering, Nanjing Institute of Technology, China, January, 1982- September, 1986. I worked on electromagnetic computations and several joint research projects. I was promoted to be member of the Chinese Electrical Society in 1985 because the professor assistant is not qualified to be member by regular rule of the society.

Honors & Awards:

1. Member of Brazilian Academy of Sciences, 2012.
2. Brazilian National Scientific Merit Prize awarded by President Lula Silva, 2008.
3. Paranaense Prize of Science and Technology in Chemistry, Computer Science, Mathematics, Physics, Statistics and Earth Sciences, 2004 (certificate and US\$4,000.00).

Research Interests:

Numerical Linear Algebra

Optimization

Numerical Analysis

Industrial Mathematics

Publications

Books

J.Yuan, Applied Iterative Analysis, Science Press, Beijing, 2015, 270p.

Papers

1. ALKILAYH, MAGED ; REICHEL, LOTHAR ; YUAN, JIN YUN .
New zero-finders for trust-region computations. NUMERICAL ALGORITHMS, v. 74, p. 1-15, 2017.
2. WANG, SHUQIN ; DENG, WEIHUA ; YUAN, JINYUN ; WU, YUJIANG .
Characteristic Local Discontinuous Galerkin Methods for Incompressible Navier-Stokes Equations. Communications in Computational Physics, v. 22, p. 202-227, 2017.
3. WU, YU-JIANG ; LI, XU ; YUAN, JIN-YUN . A non-alternating preconditioned HSS iteration method for non-Hermitian positive definite linear systems. COMPUTATIONAL & APPLIED MATHEMATICS, v. 36, p. 367-381, 2017.
4. FERNANDES, TELES A. ; FERREIRA, ORIZON P. ; YUAN, JINYUN .
. On the Superlinear Convergence of Newton's Method on Riemannian Manifolds. JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, v. 173, p. 828-843, 2017.
5. ZHAO, HAI-QIONG ; YUAN, JINYUN ; ZHU, ZUO-NONG .
Integrable Semi-discrete Kundu-Eckhaus Equation: Darboux Transformation, Breather, Rogue Wave and Continuous Limit Theory. JOURNAL OF NONLINEAR SCIENCE, v. 27, p. 1-26, 2017.
6. XIAO, XUFENG ; FENG, XINLONG ; YUAN, JINYUN .
The stabilized semi-implicit finite element method for the surface Allen-Cahn equation. DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B, v. 22, p. 2857-2877, 2017.

7. ZHANG, TONG ; MU, LIN ; YUAN, JINYUN . error estimates of stabilized finite volume method for the Stokes equations. *Mathematical Methods in the Applied Sciences*, v. 39, p. 32-43, 2016.
8. JU, LIWEI ; TAN, ZHONGFU ; YUAN, JINYUN ; TAN, QINGKUN ; LI, HUANHUAN ; DONG, FUGUI . A bi-level stochastic scheduling optimization model for a virtual power plant connected to a wind-photovoltaic-energy storage system considering the uncertainty and demand response. *Applied Energy*, v. 171, p. 184-199, 2016. Citaes:14—15
9. ZHAO, HAI-QIONG ; YUAN, JINYUN . A semi-discrete integrable multi-component coherently coupled nonlinear Schrödinger system. *Journal of Physics. A, Mathematical and Theoretical (Print)*, v. 49, p. 275204, 2016. Citaes:1—2
10. GRAPIGLIA, G.N. ; YUAN, J. ; YUAN, Y. . On the worst-case complexity of nonlinear stepsize control algorithms for convex unconstrained optimization. *Optimization Methods & Software (Print)*, v. 31, p. 591-604, 2016. Citaes:1—1
11. ZHANG, TONG ; FENG, XINLONG ; YUAN, JINYUN . Implicit-explicit schemes of finite element method for the non-stationary thermal convection problems with temperature-dependent coefficients. *INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER*, v. 76, p. 325-336, 2016. Citaes:1
12. CHEN, J. ; SUN, WENYU ; SAMPAIO, RAIMUNDO J. B. DE ; Jin-Yun Yuan . A MODIFIED FILTER RETROSPECTIVE TRUST REGION METHOD FOR UNCONSTRAINED OPTIMIZATION. *Pacific Journal of Optimization*, v. 12, p. 741-756, 2016.
13. GRAPIGLIA, GEOVANI NUNES ; YUAN, JINYUN ; YUAN, YAXIANG . Nonlinear Stepsize Control Algorithms: Complexity Bounds

- for First- and Second-Order Optimality. JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, v. 171, p. 980-997, 2016.
14. S. Wang, J.Y. Yuan, W.H. Deng, Y. Wu, A hybridized discontinuous Galerkin method for 2D fractional convection-diffusion equations, Journal of Scientific Computing, 68(2016) 826-847.
 15. GRAPIGLIA, GEOVANI NUNES ; YUAN, JINYUN ; YUAN, YAXIANG, On the convergence and worst-case complexity of trust-region and regularization methods for unconstrained optimization, Mathematical Programming Series A, 152 (2015), 491-520.
 16. WANG, LIUMEI ; SUN, WENYU ; DE SAMPAIO, RAIMUNDO J.B. ; YUAN, JINYUN . A Barzilai and Borwein scaling conjugate gradient method for unconstrained optimization problems. Applied Mathematics and Computation, v. 262, p. 136-144, 2015.
 17. ZHANG, TONG ; YUAN, JINYUN . A STABILIZED CHARACTERISTIC FINITE ELEMENT METHOD FOR THE VISCOELASTIC OLDROYD FLUID MOTION PROBLEM. International Journal of Numerical Analysis and Modeling, v. 12, p. 617-635, 2015.
 18. LIU, XIAO-HUI ; WU, YU-JIANG ; YUAN, JIN-YUN ; SAMPAIO, RAIMUNDO J. B. DE ; WANG, YAN-TAO . Sixth-order Compact Extended Trapezoidal Rules for 2D Schrödinger Equation. Journal of Mathematical Study, v. 48, p. 30-52, 2015.
 19. SUN, WENYU ; YUAN, JINYUN ; ZHANG, LIANG ; SAMPAIO, RAIMUNDO . A wedge trust region method with self-correcting geometry for derivative-free optimization. Numerical Algebra, Control and Optimization, v. 5, p. 169-184, 2015.
 20. ZHANG, TONG ; YUAN, JINYUN . A STABILIZED CHARACTERISTIC FINITE ELEMENT METHOD FOR THE VISCOELASTIC

OLDROYD FLUID MOTION PROBLEM. *International Journal of Numerical Analysis and Modeling*, v. 12, p. 617, 2015.

21. YANG, AI-LI ; WU, YU-JIANG ; HUANG, ZHENG-DA ; YUAN, JIN-YUN . Preconditioning analysis of nonuniform incremental unknowns method for two dimensional elliptic problems. *Applied Mathematical Modelling*, v. 39, p. 5436-5451, 2015.
22. ZHANG, TONG ; YUAN, JINYUN . Two novel decoupling algorithms for the steady Stokes-Darcy model based on two-grid discretizations. *Discrete and Continuous Dynamical Systems. Series B*, v. 19, p. 849-865, 2014.
23. CARVALHO, ESDRAS P. ; BORGES, CAROLINA ; ANDRADE, DOHERTY ; YUAN, JIN YUN ; RAVAGNANI, MAURO A.S.S. . Modeling and optimization of an ammonia reactor using a penalty-like method. *Applied Mathematics and Computation*, v. 237, p. 330-339, 2014.
24. OISHI, CASSIO M. ; Yuan, Jin Y. ; CUMINATO, JOSE A. ; STEWART, DAVID E. . Stability analysis of Crank-Nicolson and Euler schemes for time-dependent diffusion equations. *BIT Numerical Mathematics*, v. 54, p. 1-27, 2014.
25. LI, XU ; WU, YU-JIANG ; YANG, AI-LI ; YUAN, JIN-YUN . A Generalized HSS Iteration Method for Continuous Sylvester Equations. *Journal of Applied Mathematics*, v. 2014, p. 1-9, 2014.
26. JIWARI, RAM ; YUAN, JINYUN . A computational modeling of two dimensional reaction-diffusion Brusselator system arising in chemical processes. *Journal of Mathematical Chemistry*, v. 52, p. 1535-1551, 2014.

27. LI, XU ; WU, YU-JIANG ; YANG, AI-LI ; YUAN, JIN-YUN . Modified accelerated parameterized inexact Uzawa method for singular and nonsingular saddle point problems. *Applied Mathematics and Computation*, v. 244, p. 552-560, 2014.
28. GRAPIGLIA, GEOVANI NUNES ; YUAN, JINYUN ; YUAN, YAXIANG . A derivative-free trust-region algorithm for composite nonsmooth optimization. *Matemtica Aplicada e Computacional*, v. 33, p. 1-25, 2014.
29. LARA, H. ; OVIEDO, H. ; Yuan, Jin Y. . Matrix Completion via low rank factorization model and an augmented lagrangean Successive Overrelaxation Algorithm. *Bull. Comput. Appl. Mathematics*, v. 2, p. 21-46, 2014.
30. ZHANG, TONG ; PEDRO, DAMAZIO ; YUAN, JINYUN . A large time stepping viscosity-splitting finite element method for the viscoelastic flow problem. *Advances in Computational Mathematics*, v. 41, p. 149-190, 2014.
31. BILOTI, R. ; MATIOLI, L.C. ; YUAN, JINYUN . A short note on a generalization of the Givens transformation. *Computers & Mathematics with Applications*, v. 66, p. 56-61, 2013.
32. WANG, LI-PING ; YUAN, JINYUN . Conjugate Decomposition and Its Applications. *Journal of the Operations Research Society of China*, v. 1, p. 199-215, 2013.
33. BAJPAI, SAUMYA ; NATARAJ, NEELA ; PANI, AMIYA K. ; DAMAZIO, PEDRO ; YUAN, JIN YUN . Semidiscrete Galerkin method for equations of motion arising in Kelvin-Voigt model of viscoelastic fluid flow. *Numerical Methods for Partial Differential Equations*, v. 29, p. 857-883, 2013.

34. WU, YUJIANG ; ZHANG, NA ; YUAN, JINYUN . A robust adaptive method for singularly perturbed convection-diffusion problem with two small parameters. *Computers & Mathematics with Applications*, v. 66, p. 996-1009, 2013.
35. GRAPIGLIA, GEOVANI NUNES ; YUAN, JINYUN ; YUAN, YAXIANG . A Subspace Version of the Powell-Yuan Trust-Region Algorithm for Equality Constrained Optimization. *Journal of the Operations Research Society of China*, v. 1, p. 425-451, 2013.
36. A.K. Pani ; P.D. Damázio ; PANY, A. ; YUAN, Jinyun A Modified Nonlinear Spectral Galerkin Method for the Equations of Motion Arising in the Kelvin-Voigt Fluids. *Applicable Analysis* , 2013 to appear.
37. SAMPAIO, R. J. B. ; WOLLMANN, R. ; Yuan, J. (Jinyun) . Using penalty in mathematical decomposition for production-planning to accommodate clearing function constraints of capacity. *Advances in Optimization and Control with Applications*, Springer, 2014, 86, pp. 137-149
38. Yuan, Jinyun; D. Zontini . Comparison theorems of preconditioned Gauss Seidel methods for M-matrices. *Applied Mathematics and Computation* , v. 219, p. 1947-1957, 2012.
39. LIU, X. ; McKee, S. ; Yuan, Jinyun ; Y. Yuan . Uniform bounds on the 1-norm of the inverse of lower triangular Toeplitz matrices. *Linear Algebra and its Applications* , v. 435, p. 1157-1170, 2011.
40. FAN, Y. ; L.P. Wang ; LIMA, H. G. G. ; YUAN, Jinyun; ZHOU, X. . Evaluation of ST preconditioners for saddle point problems. *Journal of Computational and Applied Mathematics* , v. 236, p. 1543-1551, 2011.

41. MATIOLI, C. L. ; SOSA, W. ; Yuan, J. Y. . A numerical algorithm for finding solutions of a generalized Nash equilibrium problem. *Computational Optimization and Applications* , v. 52, p. 281-292, 2011.
42. Cotrina, John ; Karas, Elizabeth W. ; Ribeiro, Ademir A. ; Sosa, Wilfredo ; Yuan, Jinyun. Fenchel Moreau conjugation for lower semi-continuous functions. *Optimization*, v. 60, p. 1045-1057, 2011.
43. SAMPAIO, R. J. B. ; SUN, W. Y. ; Yuan, Jinyun . Preconditioning Approaches Related to Canonical Correlation by Use of Cyclic Form. *International Journal of Systems Science* , v. 40, p. 1087-1094, 2009.
44. X. Wu ; G.H. Golub ; CUMINATO, J. ; YUAN, J.Y. (Jin Yun) . Symmetric-triangular decomposition and its applications part II: Preconditioners for indefinite systems. *BIT*, v. 48, p. 137-160, 2008.
45. SAMPAIO, R. J. B. ; S. Yuan ; YUAN, J.Y. (Jin Yun) . Generalization: One Technique of Computational and Applied Mathematical Methodology. *Applied Mathematics and Computation* , v. 200, p. 574-582, 2008.
46. OISHI, C. M. ; Cuminato, J. A. ; Yuan, J. Y. ; McKee, S. . Stability of numerical schemes on staggered grids. *Numerical Linear Algebra with Applications* , v. 15, p. 945-967, 2008.
47. YUAN, J.Y. (Jin Yun) ; MILLEO, I. ; J. Yin . Minimization of l2 norms of the SOR and MSOR operators. *Journal of Computational and Applied Mathematics*, v. 192, p. 444-17, 2006.
48. YUAN, J.Y. (Jin Yun) ; P. Yalamov . A method for constructing diagonally dominant preconditioners based on Jacobi rotations. *Applied Mathematics and Computation, USA*, v. 174, p. 74-80, 2006.
49. A.K. Pani ; YUAN, J.Y. (Jin Yun) ; P.D. Damázio . On a linearized backward Euler method for the equations of motion of Oldroyd fluids

- of order one. *SIAM J. Numer. Anal.*, Philadelphia, v. 44, n.2, p. 804-825, 2006.
50. C.J.CORDEIRO, ; YUAN, J.Y. (Jin Yun) . Row-wise algorithms of ST decomposition. *Applied Mathematics and Computation* , Holland, v. 175, p. 748-761, 2006.
 51. M.T. Darvishi ; HESSARI, P. ; YUAN, J.Y. (Jin Yun) . On convergence of the generalized accelerated overrelaxation method. *Applied Mathematics and Computation* , v. 181, p. 468-477, 2006.
 52. A.K. Pani ; YUAN, J.Y. (Jin Yun) . Semidiscrete finite Element Galerkin Approximation to the Equations of Motion Arising in the Oldroyd Model. *IMA J. Numerical Analysis*, v. 25, p. 750-782, 2005.
 53. ANDREANI, R. ; BIRGIN, E. G. ; MARTINEZ, J. M. ; YUAN, J.Y. (Jin Yun) . Spectral projected gradient and variable metric methods for optimization with linear inequalities. *IMA J. Numerical Analysis*, v. 25, p. 221-252, 2005.
 54. X. Wu ; SILVA, B. P. B. ; YUAN, J.Y. (Jin Yun) . Conjugate Gradient methods for rank deficient saddle point problems. *Numerical Algorithms*, v. 35, p. 139-154, 2004.
 55. YUAN, J.Y. (Jin Yun) ; G.H. Golub ; R.J. Plemmons ; W.A.G.CECILIO, . Semi-conjugate direction methods for real positive definite systems. *BIT Numerical Mathematics, USA*, v. 44, n.1, p. 189-207, 2004.
 56. Y. Dai ; YUAN, J.Y. (Jin Yun) . Study on Semi-conjugate direction methods for non-symmetric systems. *International Journal for Numerical Methods in Engineering*, v. 60, p. 1383-1399, 2004.
 57. SANTIAGO, C. ; YUAN, J.Y. (Jin Yun) . Modified ST decomposition and numerical experiments. *Applied Numerical Mathematics*, v. 47, p. 237-253, 2003.

58. Y. Dai ; MARTINEZ, J. M. ; YUAN, J.Y. (Jin Yun) . An increasing-angle property of the conjugate gradient method and implementation of minimization algorithms. *Numerical Linear Algebra with Applications*, v. 10, p. 323-334, 2003.
59. P. Yalamov ; YUAN, J.Y. (Jin Yun) . A successive least squares method for structured total least squares problems. *Journal of Computational Mathematics*, v. 21, n.4, p. 463-472, 2003.
60. ZZ Bai ; L. Wang ; YUAN, J.Y. (Jin Yun) . Weak-convergence theory of quasi-nonnegative splittings for singular matrices. *Applied Numerical Mathematics, USA*, v. 47, p. 75-89, 2003.
61. SUN, W. Y. ; YUAN, J.Y. (Jin Yun) ; Y. Yuan . Conic trust region method for linearly constrained optimization. *Journal of Computational Mathematics* , Holland, v. 21, n.3, p. 295-304, 2003.
62. G.H. Golub ; YUAN, J.Y. (Jin Yun) . ST decomposition and applications-Part I: Theory and Algorithms. *BIT*, v. 42, n.4, p. 814-822, 2002.
63. W.A.G. Cecilio ; C.J. Cordeiro ; MILLEO, I. ; SANTIAGO, C. ; ZANARDINI, R. ; YUAN, J.Y. (Jin Yun) . A note on polynomial interpolation. *International Journal of Computer Mathematics* , v. 79, n.4, p. 465-471, 2002.
64. Y. Dai ; YUAN, J.Y. (Jin Yun) ; Y. Yuan . Modified two-point step-size gradient methods for unconstrained optimization. *Computational Optimization and Applications* , v. 22, n.1, p. 103-109, 2002.
65. J. Yin ; YUAN, J.Y. (Jin Yun) . Note on stationary iterative methods by SVD. *Applied Mathematics and Computation* , v. 127, p. 327-333, 2002.

66. Z. Luo ; SILVA, B. P. B. ; YUAN, J.Y. (Jin Yun) . Direct projection methods. *International Journal of Computer Mathematics* , v. 76, n.1-2, p. 517-535, 2001.
67. G.H. Golub ; X. Wu ; YUAN, J.Y. (Jin Yun) . SOR-like methods for augmented systems. *BIT*, v. 41, n.1, p. 71-85, 2001.
68. A.K. Pani ; YUAN, J.Y. (Jin Yun) . Mixed Finite Element method for a strongly damped wave equation. *Numerical Methods for Differential Equations*, v. 17, p. 105-119, 2001.
69. Y. Zhao ; YUAN, J.Y. (Jin Yun) . An alternative theorem for generalized variational inequality and solvability of complementarity problems with quasi- P_*^M -maps. *Applied Mathematics and Computation* , v. 109, p. 167-182, 2000.
70. YUAN, J.Y. (Jin Yun) ; IUSEM, A. N. . Preconditioned SOR methods for generalized least squares problems. *Acta Mathematicae Applicatae Sinica* , v. 16, n.2, p. 130-139, 2000.
71. YUAN, J.Y. (Jin Yun) . The Ostrowski-Reich theorem for SOR iterations: Extensions to the rank deficient case. *Linear Algebra and its Applications*, v. 315, n.2-3, p. 189-196, 2000.
72. YUAN, J.Y. (Jin Yun) ; JIN, X. Q. . Direct Iterative Methods for Rank Deficient Generalized Least Squares Problems. *Journal of Computational Mathematics* , v. 18, p. 437-446, 2000.
73. YUAN, J.Y. (Jin Yun) . Preconditioned Diagonally Dominant Matrices. *Applied Mathematics and Computation*, v. 114, n.2-3, p. 255-262, 2000.
74. SUN, W. Y. ; SAMPAIO, R. J. B. ; YUAN, J.Y. (Jin Yun) . Two algorithms for LC_1 unconstrained optimization. *Journal of Computational Mathematics*, v. 18, n.6, p. 621-631, 2000.

75. YUAN, J.Y. (Jin Yun) ; JIN, X. Q. . Convergence Of Generalized AOR Method. Applied Mathematics and Computation, USA, v. 99, p. 35-46, 1999.
76. JIN, X. Q. ; SHIN, V. K. ; YUAN, J.Y. (Jin Yun) . A Wavelet Method For The Fredholm Integro-Differential Equation With Convolution Kernel. Journal of Computational Mathematics, v. 17, p. 225-230, 1999.
77. Bjorck, A. ; YUAN, J.Y. (Jin Yun) . Preconditioner for least squares problems by LU factorization. Electric Transaction of Numerical Analysis, v. 8, p. 26-35, 1999.
78. SUN, W. Y. ; SAMPAIO, R. J. B. ; YUAN, J.Y. (Jin Yun) . Quasi-Newton trust region algorithm for nonsmooth least squares problems. Applied Mathematics and Computation, v. 105, p. 183-194, 1999.
79. SANTOS, C. H. ; YUAN, J.Y. (Jin Yun) . Preconditioned conjugate gradient method for rank deficient least-squares problems. International Journal of Computer Mathematics, v. 72, p. 509-518, 1999.
80. SANTOS, C. H. ; SILVA, B. P. B. ; YUAN, J.Y. (Jin Yun) . Block SOR Methods For Rank Deficient Least Squares Problems. JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, v. , 1998.
81. YUAN, J.Y. (Jin Yun) ; MATIOLI, C. L. . Asymptotically Optimal Row-Action Methods For Generalized Least Squares Problems. INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, v. 70, p. 1-18, 1998.
82. JIN, X. Q. ; YUAN, J.Y. (Jin Yun) . Wavelet Methods For The First Kind Integral Equation With Kernel $k(x - y)$. Taiwanese Journal of Mathematics, Taiwan, v. 2, p. 427-434, 1998.

83. YUAN, J.Y. (Jin Yun) . Iterative Refinement Methods Using Splitting Methods. *Linear Algebra and its Applications*, v. 273, p. 199-214, 1997.
84. SAMPAIO, R. J. B. ; SUN, W. Y. ; YUAN, J.Y. (Jin Yun) . Trust Region Algorithm For Nonsmooth Optimization. *Applied Mathematics and Computations*, USA, v. 85, p. 109-116, 1997.
85. EVANS, D. J. ; SUN, W. Y. ; SAMPAIO, R. J. B. ; YUAN, J.Y. (Jin Yun) . The Restricted Generalized Inverse Corresponding To Constrained Quadratic System. *International Journal of Computer Mathematics*,v. 62, p. 285-296, 1996.
86. YUAN, J.Y. (Jin Yun) ; SAMPAIO, R. J. B. ; SUN, W. Y. . Algebraic Relationships Between Updating And DOWndating Least Squares Problems. *Numerical Mathematics a Journal of Chinese Universities*, China, v. 3, p. 203-210, 1996.
87. YUAN, J.Y. (Jin Yun) . Numerical Methods For Generalized Least Squares Problems. *Journal of Computational and Applied Mathematics*, v. 66, p. 571-584, 1996.
88. YUAN, J.Y. (Jin Yun) ; IUSEM, A. N. . Preconditioned Conjugate Gradient Method For Generalized Least Squares Problems. *Journal of Computational and Applied Mathematics*, v. 71, p. 287-297, 1996.
89. YUAN, J.Y. (Jin Yun) ; SAMPAIO, R. J. B. ; EVANS, D. J. . Applications Of QZ Decomposition. *International Journal of Computer Mathematics*, v. 60, p. 105-114, 1996.
90. YUAN, J.Y. (Jin Yun) . Numerical Comparison Of Numerical Methods For Generalized Least Squares Problems. *Boletim da Sociedade Paranaense de Matematica*, v. 16, n.1-2, p. 63-78, 1996.

91. SAMPAIO, R. J. B. ; SUN, W. Y. ; YUAN, J.Y. (Jin Yun) . Unified Superlinear Convergence Of Some Algorithms For LC^1 Optimization. Boletim da Sociedade Paranaense de Matematica, Brazil, v. 16, n.1-2, p. 79-85, 1996.
92. EVANS, D. J. ; YUAN, J.Y. (Jin Yun) . A Note On Preconditioned Iterative Methods For Least Squares Problems. International Journal of Computer Mathematics, v. 55, p. 245-251, 1995.
93. ZHOU, R. F. ; YUAN, J.Y. (Jin Yun) . The Convergence Of The Ator Iterative Method. Mathematica Applicata, China, v. 7, p. 137-144, 1994.
94. WANG, K. ; ZHOU, R. F. ; YUAN, J.Y. (Jin Yun) . The Convergence And Comparison For Parallel Numerical Schwarz Methods. Applied Mathematics a Journal of Chinese Universities, China, 1994.
95. YUAN, J.Y. (Jin Yun) . The Convergence Of The 2-Block SAOR Method For Least Squares Problems. Applied Numerical Mathematics, USA, v. 11, p. 429-441, 1993.
96. YUAN, J.Y. (Jin Yun) . The Generalized Sobolev Space And Its Embedding Theorems. Journal of Southeast University, China, v. 5, p. 100-105, 1992.
97. YUAN, J.Y. (Jin Yun) ; ZHOU, R. F. . The Study Of Comparison Theorems Of Matrix Splittings. Mathematica Applicata, China, v. 2, p. 1-6, 1992.
98. ZHOU, R. F. ; YUAN, J.Y. (Jin Yun) . A Generalized TOR Method And Its Convergence. Applied Mathematics a Journal of Chinese Universities, China, v. 6, p. 545-551, 1991.

99. ZHOU, R. F. ; YUAN, J.Y. (Jin Yun) . The Survey Of Comparison Theorems Of Matrix Splittings And Monotonic Convergence. *Mathematica Applicata, China*, v. 4, p. 82-90, 1991.
100. YUAN, J.Y. (Jin Yun) ; ZHOU, R. F. . The Ostrowski-Reich Theorems Of The Gtor Method. *Journal of Southeast University, China*, v. 20, p. 103-107, 1990.
101. ZHOU, R. F. ; YUAN, J.Y. (Jin Yun) . The New Conditions Of Comparison Theorems Of Matrix Splitting. *Journal of Southeast University, China*, v. 20, p. 131-135, 1990.
102. ZHANG, W. X. ; YUAN, J.Y. (Jin Yun) ; YANG, X. H. . Impedance Theory And Bandwidth Optimization Of Twin-Loop Antenna. *Journal of Southeast University (English Edition), China*, v. 5, p. 11-17, 1989.
103. ZHANG, W. X. ; YUAN, J.Y. (Jin Yun) ; YANG, X. H. . On The Impedance Calculation And The Optimization For Twin-Loop Antennas. *Journal of Nanjing Institute of Technology, China*, v. 4, p. 15-22, 1987.
104. ZHANG, W. X. ; YUAN, J.Y. (Jin Yun) ; CHEN, J. ; LU, Y. . The Analytical Program Of Boundary Element Method For The Characteristic Impedances Of Shielded Strip-Line. *Journal of Nanjing Institute of Technology, China*, n.4, p. 107-113, 1986.
105. ZHANG, W. X. ; YUAN, J.Y. (Jin Yun) ; YANG, X. H. . The Optimum Design Of Twin-Loop Antennas. *Journal of Jiangsu Electronics, China*, v. 1, p. 102-105, 1985.
106. VOLPI, N. M. P. ; V. Eugenio ; STEINER, M. T. A. ; C. Carnieri ; YUAN, J.Y. (Jin Yun) ; MATIOLI, C. L. ; GRUPPELLI, F. ; ZAMBENEDETTI, V. ; YAMAMOTO, L. ; MUSSI JR., H. N. . Recon-

figuração de Sistemas de Distribuição Elétrica Minimizando Perdas Elétricas. In: XXIV Iberian Latin-American Congress on Computational Methods in Engineering (CILAMCE), 2003, Ouro Preto. Anais do XXIV Iberian Latin-American Congress on Computational Methods in Engineering (CILAMCE)., 2003. v. unico. p. 1-8.

107. GRUPPELLI, F. ; STEINER, M. T. A. ; C. Carnieri ; YUAN, J.Y. (Jin Yun) . O Problema de Restauração em Redes de Distribuição: um Método Exato e um Método de Busca Heurística. In: Seminário Nacional de Distribuição, 2002, Salvador, BA, Brasil. Proceedings do XV SENDI, 2002. v. 1. p. 1-10.
108. ZHANG, W. X. ; YUAN, J.Y. (Jin Yun) ; HONG, W. . Some Improvements On The Moment Methods. In: International Symposium of Antenna and Electronics, 1985. Proceedings of ISAE'85. Beijing, China. p. 54-59.
109. ZHANG, W. X. ; YUAN, J.Y. (Jin Yun) ; YANG, X. H. . The Optimization Of Twin Loop Antennas. In: International Symposium of Antenna and Propagation, 1985. Proceedings of ISAP'85. Tokyo, Japan. p. 477-480.
110. ZHANG, W. X. ; YUAN, J.Y. (Jin Yun) . On The Impedances Of Twin-Loop Antennas. In: International Symposium of Antenna and Propagation, 1985. Proceedings of ISAP'85. Tokyo, Japan. p. 473-476.