

СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ НА ИВАН ГАНЧЕВ ИВАНОВ

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Научни публикации по приложна и изчислителна
математика

1. I. Ivanov, R.Rusinova, B. Lomev, Accelerated Iterations for Finding the Soft-Constrained Stochastic Nash Games Equilibrium, Second Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences, Bulgaria, 2010.
2. V.Dragan, I. Ivanov, A numerical procedure to compute the stabilizing solution of game theoretic Riccati equations of stochastic control, Preprint 14/2009, Institute of Mathematics "Simion Stoilow" of the Romanian Academy, изпратена за публикуване в SIAM on Control and Optimization.
3. I. Ivanov, R.Rusinova, Numerical Solvers for Generalized Algebraic Riccati Equations, American Institute of Physics, 2009, CPI186, pp.343-351.
4. I. Ivanov, Stein Iterations for the Copuled Discrete-Time Riccati Equations, Nonlinear Analysis Series A: Theory, Methods & Applications, [doi:10.1016/j.na.2009.06.025](https://doi.org/10.1016/j.na.2009.06.025), 71:6244-6253, 2009, импакт фактор 2008:1.295.
5. I. Ivanov, Numerical Solution of the Discrete-Time Coupled Algebraic Riccati Equations, Lecture Notes in Computer Science, Numerical Analysis and its Applications, vol. 5434, pp314--322, 2009, ISBN 978-3-642-00463-6.
6. I. Ivanov, A method to solve the discrete-time coupled algebraic Riccati equations, Applied Mathematics and Computation, 26(2008), 34-41, импакт фактор 2008:0.961.
7. I. Ivanov, On some iterations for optimal control of jump linear equations, Nonlinear Analysis Series A: Theory, Methods & Applications, 69(11):4012-4024, 2008, импакт фактор 2008:1.295.
8. Ив. Иванов, Съществуване, итерационни методи и пертурбационни оценки за решенията на матрични уравнения, Дисертация за присъждане на научната степен "доктор на математическите науки", София, 2007.
9. I. Ivanov, Properties of Stein (Lyapunov) iterations for solving a general Riccati equation, Nonlinear Analysis Series A: Theory, Methods & Applications, 67:1155-1166, 2007, импакт фактор 2007:1.097.
10. I. Ivanov, Iterations for Solving a Rational Riccati Equation Arising in Stochastic Control, Computers and Mathematics with Applications, 53:977-988, 2007, импакт фактор 2007:0.72.

11. I. Ivanov, Properties of the Lyapunov iteration for coupled Riccati equations in jump linear systems, Sixth International Conference on Numerical Methods and Applications, Borovetz, 2006, LNCS 4310, Springer-Verlag, Berlin, 599—606, 2007.
12. I. Ivanov, On the matrix equation $X = Q - S^* X^+ S$, Numerical Functional Analysis and Optimization, 28(3-4):353-365, 2007, импакт фактор 2007:0.465
13. I. Ivanov, On Positive Definite Solutions of the Family of Matrix Equations $X + A^* X^{-1} A = Q$, Journal of Computational and Applied Mathematics, 193:277-301, 2006, импакт фактор 2006:0.759
14. V. Hasanov, I. Ivanov, On two Perturbation Estimates of the Extreme Solutions to the Equations $X \pm A^* X^{-1} A = Q$, Linear Algebra and Appl., 413:81-92, 2006, импакт фактор 2006:0.585
15. I. Ivanov, Algorithms for solving two types systems of Riccati equations, Proceedings of Fourth International Conference FDM : Theory and Applications, Bulgaria, 209-214, 2006.
16. И. Иванов, М. Петков, Стохастично уравнение на Рикати за полуопределени матрици, Научно-приложна конференция Великотърновски университет, Велико Търново, стр.51-55, 2006.
17. Б. Ломев, И. Иванов, Анализ и приложения на модела на Лотка-Волтера, годишник на Стопански факултет, СУ"Св.Кл.Охридски", том 5, стр. 273-281, 2006.
18. I. Ivanov, V. Hasanov, F. Uhlig, Improved Methods and Starting Values to Solve the Matrix Equations $X \pm A^* X^{-1} A = I$ Iteratively, Mathematics of Computation, 74:263-278, 2005, импакт фактор 2005:0.853.
19. V. Hasanov, I. Ivanov, On the Matrix Equation $X - A^* X^{-1} A = I$, Applied Mathematics Computation, 168:1340-1356, 2005, импакт фактор 2005:0.688.
20. I. Ivanov, Perturbation Analysis for Solutions of $X \pm A^* X^{-n} A = Q$, Linear Algebra and Appl., 395:313-331, 2005, импакт фактор 2005:0.59.
21. И. Иванов, Матрично уравнение на Рикати и неговото итерационно решение, Сборник доклади научна конференция Русенски университет, том 44, серия 6.1, стр.7-13, 2005, Русе.

22. I. Ivanov, Properties of Solutions of Matrix Equation $X + A^* X^{-2k} A = Q$, Proceedings of the International Conference Dynamical Systems and Applications, GBS Publishers & Distributors, pp. 408-419, India, 2004.
23. V.Hasanov, I. Ivanov, Solutions and Perturbation Estimates for the Matrix Equations $X \pm A^* X^{-n} A = Q$, Applied Mathematics Computation, 156:513-525, 2004, импакт фактор 2004:0.567.
24. V.Hasanov, I. Ivanov, F.Uhlig, Improved Perturbation Estimates for the Matrix Equations $X \pm A^* X^{-1} A = Q$, Linear Algebra and Appl., 379:113-135, 2004, импакт фактор 2004:0.501.
25. B.Minchev, I. Ivanov, A Method for Solving Hermitian Pentadiagonal Block Circulant Systems of Linear Equations, Proceedings of the Forth International Conference on LSSC, Springer LNCS 2907, Berlin, pp 481-488, 2004, импакт фактор 2004:0.513.
26. V.Hasanov, I.Ivanov, Solutions and Perturbation Theory of a Special Matrix Equation I: Properties of Solutions, Mathematics and Education in Mathematics, Proceedings of Thirty Second Spring Conference of the Union of Bulgarian Mathematicians, pp 244-248, 2003.
27. I.Ivanov, V.Hasanov, Solutions and Perturbation Theory of a Special Matrix Equation II: Perturbation Theory, Mathematics and Education in Mathematics, Proceedings of Thirty Second Spring Conference of the Union of Bulgarian Mathematicians, pp 258-262, 2003.
28. F. Uhlig, V. Hasanov, I. Ivanov, On the Quadratic Matrix Equations $X \pm A^* X^{-1} A = Q$, Numerical Mathematics, A Journal of Chinese Universities, English Series, vol. 12, pp 1-5, 2003.
29. I. Ivanov, N. Aleksandrova, On a Special Positive Definite Solution of a Class of Nonlinear Matrix Equations, Mathematics and Education in Mathematics, Proceedings of Thirty Second Spring Conference of the Union of Bulgarian Mathematicians, pp. 253-257, 2003.
30. B.Minchev, I.Ivanov, On computer realization of algorithms for solving special block linear systems, Proceedings of the International Summer School Applications of Mathematics in Engineering and Economics, Heron Press, Sofia, pp. 303-313, 2002.
31. V. Hasanov, I. Ivanov, G. Nedjibov, A New Modification of Newton's Method, International Summer School "Applications of Mathematics in Engineering and Economics", (Sozopol, Bulgaria, 2001), 278-286, Heron Press, Sofia, 2002.
32. I.Ivanov, Y. Todorov, On the Numerical Solution of Three Special Linear Matrix Equations, International Summer School "Applications of Mathematics in

- Engineering and Economics”, (Sozopol, Bulgaria, 2001), 287-292, Heron Press, Sofia, 2002.
33. I.Ivanov, V.Hasanov, B.Minchev, On Matrix Equations $X \pm A^*X^{-2}A = I$, Linear Algebra and Appl., 326:27-44, 2001, импакт фактор 2001:0.423.
 34. V.Hasanov, I.Ivanov, Positive Definite Solutions of the Equation $X + A^*X^{-1}A = I$, Proceedings of the Second International Conference on NAA, Springer LNCS 1988, Berlin, pp 377-384, 2001, импакт фактор 2001:0.415.
 35. I. Ivanov, On a Class of Nonnegative Matrices in Mathematical Economics Models, Comptes rendus de l'Academie bulgare des Siences, tome 54, N12, 2001, 19-22.
 36. I.Ivanov, V. Hasanov, M. Tomeva, N. Georgieva, On Some Methods for Computing the Minimal Nonnegative Solution of a Nonlinear Matrix Equation, Международна научна конференция “УНИТЕХ–01“, Габрово, Vol. 3, pp. 203-209, 2001.
 37. I.Ivanov, Y. Todorov, Some Methods for Solving Special Circulant Systems of Linear Equations, International Summer School “Applications of Mathematics in Engineering and Economics’26”, (Sozopol 2000), 157-161, Heron Press, Sofia, 2001.
 38. V. Hasanov, I. Ivanov, Iterative Methods for Computing the Matrix Square Root, International Summer School “Applications of Mathematics in Engineering and Economics’26”, (Sozopol 2000), p.152-156, Heron Press, Sofia, 2001, MR 2002m: 65039.
 39. I.Ivanov, B.Minchev, A Method for Solving special circulant pentadiagonal linear systems, Proceedings of the Second Workshop on LSSC}, Notes on Numerical Fluid Mechanics 73, Vieweg, Braunschweig, Wiesbaden, pp 144-151, 2000.
 40. I.Ivanov, M.Petkov, A Two-Way Parallel Matrix Factorization for Block Tridiagonal Systems, “Applications of Mathematics in Engineering and Economics”, (Sozopol, 1999), pp 81-83, Heron Press, Sofia, 2000.
 41. S. El-Sayed, I. Ivanov, M. Petkov, Positive Definite Solutions of Three Linear Matrix Equations, “Applications of Mathematics in Engineering and Economics’26”, pp.142-146, Heron Press, Sofia, 2001.
 42. I.Ivanov, N. Toncheva Iterative Methods for Computing a Positive Definite Solution of the Matrix Equation $X + A^*X^{-1}A = I$, International Summer School “Applications of Mathematics in Engineering and Economics’25”, (Sozopol 1999), pp 84-87, Heron Press, Sofia, 2000.

43. Z. Jumah, I. Ivanov, M. Petkov, Some remarks about linear matrix difference equations, International Summer School "Applications of Mathematics in Engineering and Economics, Sozopol, Heron Press, Sofia, p.99-101, 2000.
44. I. Ivanov, B. Minchev, V. Hasanov, Positive definite solutions of the equation $X - A^* \sqrt{X}^{-1} A = I$, International Summer School "Applications of Mathematics in Engineering and Economics'24", (Sozopol 1998), p.113-116, Heron Press, Sofia, 1999, MR 1691341
45. Z. Jumah, I. Ivanov, M. Petkov, Two-sided iteration methods for matrix inversion, International Summer School "Applications of Mathematics in Engineering and Economics'24", (Sozopol 1998), p.129-130, Heron Press, Sofia, 1999.
46. Z. Jumah, I. Ivanov, M. Petkov, Two-sided iteration methods for matrix inversion. Applications of Mathematics in Engineering and Economics, (Sozopol, 1998), 129-130, Heron Press, Sofia, 1999, MR 99m:00024.
47. S.M. El-Sayed, I. Ivanov, M. Petkov, A New Modification of the Rojo Method for Solving Symmetric Circulant Five-Diagonal Systems of Linear Equations, Computers and Mathematics with Applications, 35(10):35-44, 1998, импакт фактор 1998:0.383.
48. I. Ivanov, S.M. El-Sayed, Properties of Positive Definite Solution of the Equation $X \pm A^* X^{-2} A = I$, Linear Algebra and Appl., 279:303-316, 1998, импакт фактор 1998:0.423.
49. I. Ivanov, C. Walshaw, A Parallel Method for Solving Pentadiagonal Systems of Linear Equations. Technical Report 98/IM/36, University of Greenwich, London, England.
50. I. Ivanov, A method for solving the spectral problem of Hamiltonian matrices with application to the algebraic Riccati equation, Годишник на СУ "Св.Кл.Охридски", ФМИ, Приложна математика и информатика, т.92, стр.105-121, 1998.
51. И. Иванов, В. Дянкова, Числен алгоритъм за решаване на матрично квадратно уравнение, "Приложение на математиката в техниката", Созопол, 1997, стр. 268-273.
52. I. Ivanov, A method for solving the algebraic quadratic spectral problem, In: Mathematics and Education in Mathematics, 1998, Pleven, p. 81-86.

53. I. Ivanov, V.Dyankova, A parallel method for solving the spectral problem of real nonsymmetric matrices. In: Mathematics and Education in Mathematics, 1998, Pleven, p. 87-91.
54. M. Petkov, I. Ivanov, Numerical computation of eigenvalues of Hamiltonian matrices. *Mathematica Balkanica*, vol. 11, 1997, p.339-346, MR 99j:65060.
55. I. Ivanov, A method for solving spectral problem for complex matrices, *Lecture Notes in Computer Science 1196, Numerical Analysis and Its Applications, First International Workshop, WNAA'96*, Springer-Verlag, Berlin, p. 192-197, 1996, MR 98d:65007.
56. Д. Зарнан, И.Иванов, М.Петков, Блочна U матрица и приложения. Лятна школа "Приложение на математиката в техниката", Созопол, 1996, стр. 268-273.
57. I.Ivanov, Numerical computation of eigenvalues of complex J-Hermitian matrices, In: *Mathematics and Education in Mathematics*, April, 1996, Kazanlak, p. 117-123, Bulgaria.
58. И. Иванов, С. Чакъров, Алгоритъм за пресмятане на собствени стойности на Хамилтонови матрици, Шумен, сесия ВНБАУ "Панойт Волон", стр.30-37, 1995.
59. И. Иванов, Якобиеви методи за решаване на матрични спектрални задачи, Дисертация за придобиване на научната степен "доктор по математика", София 1992.
60. I. Ivanov, An Algorithm for Solving Spectral Problem of Complex Matrix in Real Arithmetic. *Mathematica Balkanica*, vol. 8, 1994, p. 51-58. CNO 1 338 767, MR 96f:65043
61. M.Petkov, I. Ivanov, Solution of symmetric and Hermitian J-symmetric eigenvalue problem. *Mathematica Balkanica*, vol. 8, 1994, p 337-349.
62. I. Ivanov, Parallel numerical algorithm for the spectral problem of block Hermitian matrices, *Serdica*, vol. 18, 1992, p. 17-22. MR 93m:65037
63. I. Ivanov, Numerical solution of the eigenvalue problem of Hermitian Hamiltonian matrices, In: *Mathematics and Education in Mathematics*, April, 1992, p. 117-123, Sofia.
64. И. Иванов, Алгоритми за решаване на обобщената и квадратичната проблема за собствени стойности на разградени матрици, Математика и обучението по математика, Слънчев бряг, 1990, стр.345-347, CNO 1 110 635, RGMat (in Russian) 1991, 8G13.

65. И. Иванов, Пресмятане на собствени стойности на специални разредени блочни матрици. XVII Лятна школа "Приложения на математиката в техниката", Варна, 1991.
66. И. Иванов, Оценки за собствени стойности на обобщената спектрална проблема. Математика и обучението по математика, Албена, 1990, стр.324-327, MR 90g:15018
67. И. Иванов, Петков М., Върху едно линейно матрично уравнение. Математика и обучението по математика, Слънчев бряг, 1989, стр.348-351, CNO 1 110 636.
68. И. Иванов, Алгоритми за пресмятане на собствени стойности на реални разредени симетрични матрици. XIV Лятна школа "Приложение на математиката в техниката", Варна, 1988.

Научни публикации по математическо моделиране с приложения в икономиката и финансите

69. I. Ivanov, J. Dobрева, Theoretical Approach on the Effect of Subsidies to Local Public Goods, accepted in the Journal of US-China Public Administration, ISSN 1548-6591, USA, 2010
70. I. Ivanov, J. Dobрева, Modeling Labor Supply through Duality and the Slutsky Equation, accepted in the International Journal of Economic Sciences and Applied Research, ISSN 1791 3373, Greece, 2010
71. I. Ivanov, B. Lomev and N. Netov, An Optimal Solution to Dynamic Game Models with Economic Applications, Conference Proceedings of the 7th International Conference on Applied Financial Economics, p. 473-479, 2010, ISSN 1792-3912, Greece
72. B. Lomev, N. Netov and I. Ivanov, 2007 financial crisis and stock market efficiency: Empirical evidence from Western Balkans states (Bulgaria, Romania AND Serbia) through GARCH modeling of the market volatility, Conference Proceedings of the 7th International Conference on Applied Financial Economics, p. 280-289, 2010, ISSN 1792-3912, Greece
73. Б. Ломев, И. Иванов, Б. Пелова, Изследване на перфектността на фондовите борси в България и Русия посредством честотни методи, Шеста научна конференция „Мениджмънт и предприемачество” Пловдив, 2009, Сборник доклади стр. 95 – 100, ISSN 1313-9460.
74. I. Ivanov, B. Lomev, Equilibrium in Nash Differential Games via Lyapunov-type iterations, Conference Proceedings of the International Conference on Applied Economics, p. 251-256, 2009, ISSN 1791 9347, Greece
75. I. Ivanov, B.Lomev, Equilibrium in stochastic Nash games with state-dependent noise via Lyapunov-type iterations, The 9th Hellenic European Research on Computer Mathematics & its Applications Conference, Athens, 2009, HERMIS Journal, Volume 11, 2009, ON-LINE, ISSN: 1108-7609, <http://www.aueb.gr/pympe/hermis/hermis-volume-11/>.
76. B.Lomev, I. Ivanov, Self-similarity, Heavy Tails and Long-range Dependence as Measures for Financial Market Inefficiency - the Case of Bulgaria, The 9th Hellenic European Research on Computer Mathematics & its Applications Conference, Athens, 2009. (a conference talk)

77. I. Ivanov, B. Lomev, Iterations for Stochastic Models with Applications in Finance, Eurasia Business and Economics Society Annual Conference 2009, Istanbul 2009 (a conference talk)
78. B. Lomev, I. Ivanov, Empirical study of East-Europe Stock Markets Inefficiency – the cases of Bulgaria and Russia, Eurasia Business and Economics Society Annual Conference 2009, Istanbul 2009. (a conference talk)
79. N. Netov, B. Lomev and I. Ivanov, Econometric Modeling of the Bulgarian Stock Market Volatility, International Congress on Mathematics MICOM 2009, Ohrid 2009. (a conference talk)
80. I. Ivanov, J. Dobрева, Social Effects of Government Subsidies to Local Public Goods, in: G. Chobanov, J. Plohn, H. Schellhaass (eds.) Policies of Economic and Social Development in Europe, Sofia Conferences on Social and Economic Development in Europe, vol.2, p. 127-138, Peter Lang 2009, ISSN 1867 562X, Germany
81. I. Ivanov, J. Dobрева, Sustainable Development and the Provision of EU Subsidies for Rural Development: The Case of Bulgaria, XIII International Conference of Young Scholars, 28th May, 2009 – Prague.
82. I. Ivanov, J. Dobрева, Sustainable Development and the Bulgarian National Strategy for Regional Development 2005-2015: an application of a three dimensional theoretical model, IV South East European DSC, July 2009, Thessaloniki – Greece.
83. I. Ivanov, J. Dobрева, Duality and Optimality in the Analysis of the Policy for Sustainable Development, Сборник “Икономически политики и устойчиво развитие” на Международна научна конференция, стр. 80-89, София, 2007.
84. Б. Ломев, И. Иванов, А. Мацанов, Изследване на наличието на «тежки опашки» и моделиране на GARCH модели за SOFIX и други световни борсови индекси. Сборник от доклади на Международната научна конференция УНИТЕХ’08, Габрово, стр. III-57-62.
85. Б. Ломев, И. Иванов, Е. Туйова, Дългосрочна зависимост при индекса SOFIX на българската фондова борса. Сборник доклади на Международна конференция в Русенски университет’08, том 47 “Икономика и мениджмънт”, серия 6.1, стр. 29-32, Русе, 2008.
86. И. Иванов, Л. Донев, Моделиране в енергетиката чрез функцията на предлагане, Сборник „Европейски перспективи” доклади 10 години специалност Европеистика, 197-205, София, 2008.

87. I. Ivanov, J. Dobрева, Excludable vs. Non-excludable Public Goods: the price effect on consumption, Сборник доклади на Международна конференция в Русенски университет'08, том 47 "Икономика и мениджмънт", серия 6.1, стр. 152-156, Русе, 2008.
88. I. Ivanov, J. Dobрева, Application of the optimization model and the Slutsky equation in the supply of public goods, Proceedings of Rousse University, vol. 46, book 4, 161-167, 2007.
89. I. Ivanov, J. Dobрева, *Duality and Optimality in the Analysis of the Policy for Sustainable Development*, Proceeding of the International Conference "Economic Policies for Sustainable Development", p. 80-89, Sofia, 2007. (in Bulgarian) ISBN 978-954-494-985-3
90. *И.Иванов*, Б.Немчев, Моделиране на енергийния пазар, списание Енергетика, N 5, стр. 32-37, 2006.
91. *И. Иванов*, Б.Ломев, Л. Донеv, Потребление на електроенергия в условията на либерализиран енергиен пазар, Сборник доклади Юбилейна научна сесия "Икономика и управление", Технически университет – филиал Пловдив, 2006.
92. *И. Иванов*, З. Сотиров, Модел на Курно и търговска политика, Сборник доклади IV научна сесия "Икономика и управление" ТУ-София, филиал Пловдив, 2005, стр.45-50.
93. B. Lomev, I. Ivanov, Synchronization of Chaotic Attractors of a three-dimension Lotka-Volterra model and Application in the Management Theory, Proceedings of the III Congress of Mathematicians of Macedonia, pp 477-484, 2005.
94. *I.Ivanov*, L. Taseva, The contract gas market with linear supply function, Proceedings of International Conference on Computational Methods in Science and Engineering, Kastoria, Greece, pp 254–257, World Scientific Publishing, 2003.
95. *И. Иванов*, Поведение на фирмите в условията на олигополов пазар, "Автоматика и информатика".
96. *Ivanov*, R.Ganeva, Application of the Leontief Dynamic Model for the Bulgarian Economy, accepted in the Proceeding of the International Summer School "Applications of Mathematics in Engineering and Economics", Sozopol, 2002, Bulgaria.

Научни публикации по методика на обучението

97. I.Ivanov, N. Volodina, Educating Students in Applying Postoptimality Analysis, Proceedings of International Conference on Mathematics Education, Svisthov, Bulgaria, 2005, p.197-203.
98. I.Ivanov, V. Ivanova, Basic Maximization Model and Its Application in Economic Education, Proceedings of International Conference on Mathematics Education, Svisthov, Bulgaria, 2005, p. 203-209.
99. М.Томева, *И.Иванов*, Н.Георгиева, Л. Дончева. Проблеми на стандартизирането на обучението по математика в СА “Д. А. Ценов” Свищов , Алманах на СА “Д. А. Ценов” Свищов , 2002, 7-32.
100. *I Ivanov*, S.Slavova, Organizing Computer Preparation in the Speciality “Pre-school pedagogy and Foreign Language” in Conformity with the State Standards , Technologies and Informatics in Education, Beograd, 2002.
101. S.Slavova, *I.Ivanov*, Organizing of Education in the Speciality of Information Technologies by Modular Teaching, Technologies and Informatics in Education, Beograd, 2002.
102. И.С.Иванов, *И.Г.Иванов*, Наблюдението и експериментът като средства за управление на методичното мислене на учителя по математика, Математика и математическо образование, Казанлък, 1996, р. 304-309.

Учебници и учебни помагала

103. *И.Иванов*, **Теория на игрите с икономически приложения**, Университетско издателство “Св. Климент Охридски”, София 2010, ISBN 978-954-07-2978-7.
104. *И.Иванов*, Б. Ломев, **Приложения на количествените методи в стопанското управление**, София 2008, ISBN 978-954-9526-50-9.
105. М.Петков, *И.Иванов*, В.Хасанов, **Математическо оптимизиране**, Университетско издателство “Епископ Константин Преславски”, Шумен, 2005, ISBN 954-577-325-1.
106. *И.Иванов*, **Двойственост в линейното оптимизиране**, Университетско издателство “Св. Климент Охридски”, София, 2004, ISBN 954-07-2055-9.
107. К.Колев, Ст.Станев, *И. Иванов*, **Информатика**, Университетско издателство “Епископ Константин Преславски”, Шумен, 2003, учебник за дистанционно обучение.
108. К.Колев, Ст.Станев, *И. Иванов*, **Информатика**, Университетско издателство “Епископ Константин Преславски”, Шумен, 2002, ISBN 954-577-129-1.
109. И.С.Иванов, *И.Г.Иванов*, **Тестове и теми със задачи от училищния курс по математика**, Университетско издателство “Епископ Константин Преславски”, Шумен, 2001, ISBN 954-577-095-3.
110. *И.Иванов*, М. Петков, **Приложен матричен анализ**, Шумен, 2000, ISBN 954-610-016-1.
111. *И.Иванов*, Ст.Станев, К.Колев, **Въведение в информатиката**, Шумен, 1999, ISBN 954-610-014-5.
112. М.Петков, *И.Иванов*, **Математическо оптимизиране**, Издателство на Шуменски университет, 1977, ISBN 954-577-029-5.

юли, 2010
гр. София

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