

СПИСЪК НА ПУБЛИКАЦИИ И УЧАСТИЕ В КОНГРЕСИ НА ДМН МАКСИМ ИВАНОВ ТОДОРОВ

LIST OF PUBLICATIONS

REVIEWED PAPERS IN JOURNALS

1. Michailova P., Traikov C., Dimitrova I., Todorov M. Possibilities for a prediction of the curly disease on the peaches. Information sheet of Institute of Plant Protection, Tome X, 1981, pp. 1-3.
2. Mihailova P., Todorov M. Approach for modeling plant disease development in connection with disease prediction. *Compt. Rend. Acad. Bulg. Sci.*, Tome 34, No. 9, 1981, pp. 1319-1322.
3. Michailova P., Todorov M. A contribution to the modeling of epiphytotic of aerogenic plant diseases in view of their prediction. *Plant Science*, Vol. XX, No. 5, 1983, pp. 68-72.
4. Todorov M. Generic existence and uniqueness of the solutions to linear semi-infinite optimization problems. *Compt. Rend. Acad. Bulg. Sci.*, Tome 38, No. 8, 1985, pp. 989-991.
5. Todorov M. Generic existence and uniqueness of the solutions to linear semi-infinite optimization problems. *Numer. Funct. Anal. and Optim.* No 8, (5&6), 1985-86, pp. 541-556.
6. Todorov M. Generic uniqueness of the saddle points in the linear semi-infinite optimization. *Compt. Rend. Acad. Bulg. Sci.*, Tome 39, No. 4, 1986, pp. 27-29.
7. Todorov M. Uniqueness of the saddle points for most of the linear semi-infinite optimization problems. *Numer. Funct. Anal. and Optim.*, 10(3&4), (1989), pp. 367-382.
8. Christov G., Todorov M. Semi-infinite optimization. Existence and uniqueness of the solutions. *Mathematica Balkanica*, New series Vol 2, 1989, Fask2-3, pp. 182-191.
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11. Todorov M. Existence of the solutions of the linear vector semi-infinite optimization problems. *Mathematica Balkanica*, New series Vol. 4, 1990, Fasc. 4, pp. 390-395.
12. Todorov M. Linear vector optimization. Properties of the efficient sets. *Serdica-Bulgaricae mathematicae publicationes*. 18 (1992) pp. 179-185.
13. Fischer Th., Todorov M. The almost Chebyshev property in linear semi-infinite programming. *Optimization*, 1992, Vol. 25, pp. 161-178.
14. Goberna M., Lopez M., Todorov M. Unicity in linear optimization. *JOTA*: Vol. 86, No. 1, July 1995, pp. 37-56.
15. Todorov M. Kuratowski convergence of the efficient sets in the parametric linear vector semi-infinite optimization. *European Journal of Operational Research*, 94 (1996), pp. 610-617.
16. Goberna M., Lopez M., Todorov M. Stability theory for linear inequality systems. *SIAM J. on Matrix Anal. Appl.*, 17(1996), pp. 730-743.
17. Todorov M. Local necessary condition for lower semicontinuity of the objective mapping in the linear semi-infinite optimization. *Compt. Rend. Acad. Bulg. Sci.*, Tome 50, No 7-8, 1997, pp. 1-4.
18. Goberna M., Lopez M., Todorov M. Stability theory for the linear inequality systems II: Upper semi-continuity of the solution set mapping. *SIAM J. on Optimization*, Vol.7, Nov. 1997, No. 4, pp. 1138-1151.
19. Helbig S., Todorov M. Unicity results for general semi infinite optimization problems using new concept of active constraints. *Appl. Math. & Optimization* 38, 1998, pp. 21-43.
20. Todorov M. Necessary and sufficient conditions for global lower semicontinuity in the linear semi-infinite optimization. *Numer. Funct. Anal. and Optim.*, 19(3&4), 415-429 (1998).
21. Canovas M., Lopez M., Para J., Todorov M. Stability and Well posedness in Linear Semi-Infinite Programming. *SIAM J. on Optimization*, Volume 10, Number 1, pp. 82-98, 1999.
22. Goberna M., Jornet V., Puente R., Todorov M. Analytical linear inequality systems and optimization. *JOTA*: Vol. 103, No. 1, October 1999, pp. 95-119.
23. Canovas M., Lopez M., Para J., Todorov M. Solving strategies and well-posedness in linear semi-infinite optimization. *Annals of Operations Research*, Vol. 101, pp. 171-190, 2001.
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25. Jimenez P., Todorov M. Unicity of the solutions of infinite linear inequality systems. *Compt. Rend. Acad. Bulg. Sci.*, Tome 54, No. 6, 2001, pp. 17-20.
26. Gomez S., Lancho A., Todorov M. Stability in convex semi-infinite optimization. *Compt. Rend. Acad. Bulg. Sci.*, Tome 55, No. 11, 2002, pp. 23-26.
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36. Hernandez L., Todorov M.I. Examples of bad phenomena of the dual problems and generic results in parametric linear semi-infinite optimization. *Compt. Rend. Acad. Bulg. Sci.*, Tome 58, No. 11, 2005, pp. 1247-1251.
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44. Goberna M.A., J. E. Martínez-Legaz and Todorov M.I. On Motzkin decomposable sets and functions. *J. Math. Anal. Appl.* Volume 372, Issue 2, 15 December 2010, Pages 525-537.
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46. E. González and Todorov M.I. A relaxation method for solving systems with infinitely many linear inequalities. *Optimization Letters: Volume 6, Issue 2* (2012), pp. 291-298, DOI: 10.1007/s11590-010-0244-4.
47. Goberna M.A., Todorov M.I. and Vera de Serio V. On stable uniqueness in linear semi-infinite optimization. *J. of Global Optim.*, Vol. 53, 2012, pp. 347-361, DOI: 10.1007/s10898-011-9768-0.
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54. Martinez Legaz J.E., Todorov M.I., Zetina C. Gamma-active constraints in convex semi-infinite programming. *Numerical Functional Analysis and Optimization*, 35:1078–1094, 2014.
55. Iusem A., J. E. Martínez-Legaz and Todorov M.I. Motzkin predecomposable sets. *Journal of Global Optimization*: Volume 60, Issue 4 (2014), pp. 635-647, DOI: 10.1007/s10898-013-0097-3.
56. Todorov M.I. On metric regularity of Voronoy cells. *Compt. Rend. Acad. Bulg. Sci.*, Tome 67, No 7, 2014, pp. 903-906.
57. Goberna M.A., Guerra F., Todorov M.I. Constraint qualifications in convex vector semi-infinite optimization. *EJOR*, 249 (2016), pp. 32-40, DOI:10.1016/j.ejor.2015.08.062.
58. A. Ferrer, M.A. Goberna, E. González, Todorov M.I., A comparative note on the relaxation algorithms for the linear semi-infinite feasibility problem. to appear in *Annals of Oper. Research*, DOI: 10.1007/s10479-016-2135-2.
59. Barragan A.A., L. Hernandez Rebollar and Todorov M.I. New primal-dual partition of the space of linear semi-infinite continuous optimization problems. to appear in *Compt. Rend. Acad. Bulg. Sci.*

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1. Todorov M., Sterev G., Dangelchev C. Algorithms evaluating the deviations from planar forms in surfaces measuring. *Proceedings of the seventeenth spring conference of the Union of Bulgarian Mathematicians*, Sunny Beach, April 6-9, 1988, pp. 364-368.
2. Todorov M., Georgiev V. Algorithm for developing a pest control strategy in agricultural groups, ensuring minimum expenses for a long period of time. *Higher Institute of Agriculture-Plovdiv, Scientific Works*, 1989, Vol. XXXIV, book 4. Third scientific conference with international participation on intensification and ecologisation of agriculture. pp. 191-199.
3. Todorov M. Generic uniqueness and well-posedness in the linear vector semi-infinite optimization. *Proceedings of the nineteenth spring conference of the Union of Bulgarian Mathematicians*, Sunny Beach, April 5-8, 1990, pp. 413-418.
4. Todorov M. Well-posedness in the linear vector semi infinite optimization. *Multiple Criteria Decision Making. Proceedings of the tenth international conference: "Expand and Enrich the Domains of Thinking and Applications"*, P.L. Yu and etc. Eds., Springer-Verlag, 1994, pp. 141-150.
5. Georgiev P., Todorov M. Well-posedness in linear infinite optimization. *Parametric Optimization and Related Topics IV. Proceedings of the international conference: "Parametric Optimization and Related Topics IV"*, J. Guddat and etc. Eds., Sonderdruck, Peter Lang, Europaischer Verlag der Wissenschaften, 1996, pp. 111-121.
6. Georgiev P., Todorov M., Helbig S., Tanaka T. Well-defined efficient points in the vector optimization. *Proceedings of the 5th International Conference on Optimization: Techniques and Applications. Volume 2*, Editor D. Li, Hong Kong, December 15-17, 2001, pp. 657-663.
7. Gomez S., Lancho A., Todorov M. Some stability properties in the parametric convex semi-infinite optimization. *Parametric Optimization and Related Topics VII. Aportaciones Matematicas de la SMM*, No. 18 in *Series Investigaciones*, pp.113-121, 2004.
8. Todorov M.I. New concepts of active constraints and applications: A review. *Temas de Teoria de Aproximacion II*. Miguel Jiménez and Jorge Bustamante Eds., ISBN: 978 968 9282 41 2, (2007), pp. 163-192.
9. E. González, L. Hernandez Rebollar and Todorov M.I. A class of numerical methods for solving linear inequality systems. *Mathematics, its applications and mathematical education (MAME'11): Proceedings of the Fourth International Conference*, Vol 1, Ulan-Ude: Publishing Department of the East- Siberian State University of Technology, 2011, ISBN: 978-5-89230-390-3, pp. 108-112.

10. Todorov M.I. Stability of closed-convex-valued mappings: Survey. *Temas de Teoría de Aproximación IV*. Jorge Bustamante, Slaviša V. Djordjevic, and Miguel Jiménez Eds., ISBN: 978-607-487-467-9, (2012), pp. 157-180.
11. E. González, Todorov M.I. A refined numerical method for solving linear inequality systems. *Mathematics, its applications and mathematical education (MAME'14): Proceedings of the Fifth International Conference*, Ulan-Ude: Publishing Department of the East-Siberian State University of Technology, 2014, ISBN: 978-5-89230-504-4, pp. 358-363.

PREPRINTS AND SUBMITTED PAPERS

1. Georgiev P., Helbig S., Todorov M. Well-defined efficient points in the vector optimization. Alicante University, España, Discussion paper No: 9305, 1995.
2. E. González, L. Hernandez Rebollar and Todorov M.I. Relaxation methods for solving linear inequality systems: Converging results. CRM, Barcelona, España, preprint 990, 2011.
3. Iusem A., J. E. Martínez-Legaz and Todorov M.I. Motzkin predecomposable sets. IMPA, Rio de Janeiro, BR, Preprint serie A5513/2014, 2014.
4. González E., Todorov M.I., Generalized step iteration in the relaxation method for the feasibility problem. IMPA, Rio de Janeiro, BR, Preprint serie D113/2014, 2014.
5. J. E. Martínez-Legaz and Todorov M.I. Motzkin weakly predecomposable sets. UAB, Barcelona, SP, preprint.
6. Barragan A.A., L. Hernandez Rebollar and Todorov M.I. Partition of the parameter space in the LSIO. FCFM-BUAP, Mexico, preprint.
7. Iusem A., Todorov M.I. Motzkin OM predecomposable sets. IMPA, Rio de Janeiro, BR, preprint.
8. Guerra F., Todorov M.I. Theory and applications of convex vector semi-infinite Optimization. UDLAP, Puebla, MX, preprint.

BOOKS

1. Todorov M.I. *Linear Inequality Systems: Qualitative Stability and New Concepts of Active Constraints*. Monografías del IMCA No. 54, Editorial HOZLO S.R.L., 2010, ISBN: 978-9972-242-43-4.

EDITED PUBLICATIONS

1. Guddat J., Jongen Th., Rueckmann J., Todorov M. *Parametric Optimization and Related Topics VII*. Aportaciones Matemáticas de la SMM, No. 18 in series Investigaciones, ISBN 970-32-1877-6, 2004.

THESISES

1. **M.Sc.**, 1979, Sv. Kliment Ohridski, Sofia University, BG; Numerical methods, algorithms and programs, using modified Lagrange functions.
2. **Ph.D.**, 1987, Institute of Mathematics, Bulgarian Academy of Sciences, BG; Existence and uniqueness of the solutions of some linear semi-infinite optimization problems.
3. **D.Sc.**, 2007, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, BG; Stability in infinite linear inequality systems.

LIST OF ATTENDED CONFERENCES

1. Todorov M. An optimal strategy of a fight with agricultural pests, described with a discrete low of development. 11th national conference of young scientists in agriculture and food industry. Ksanlak, September 9-11, 1981.
2. Michailova P., Todorov M. A contribution to the modeling of epiphytotic of aerogenic plant diseases in view of their prediction. 3th national botanic conference. Sofia, BAS, 1983.
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7. Todorov M., Georgiev V. Algorithm for developing a pest control strategy in agricultural groups, ensuring minimum expenses for a long period of time. Higher Institute of Agriculture-Plovdiv, Third scientific conference with international participation on intensification and ecologisation of agriculture, April, 1989.
8. Todorov M. Well posedness in the linear vector semi infinite optimization. Workshop on well-posedness and stability of optimization problems and related topics. Sofia, 13-17 March, 1989, Scientists' House of the Bulgarian Academy of Sciences.
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10. Todorov M. Generic uniqueness and well-posedness in the linear vector semi-infinite optimization. Nineteenth spring conference of the Union of Bulgarian Mathematicians, Sunny Beach, April 5-8, 1990.
11. Todorov M. Linear vector optimization. Properties of the efficient sets. 11th European congress on Operational Research. RWTH Aachen, Germany, July 16-19, 1991, **Chairman of the session on SIP.**
12. Todorov M. Linear vector optimization: properties of the efficient sets when the feasible set is (P)-set. Parametric optimization and related topics III and the 23th conference on mathematical optimization. Gustrow, Germany, August 26-30, 1991.
13. Fischer Th., Todorov M. The almost Chebyshev property in linear semi-infinite programming. Workshop on well-posedness in optimization. S. Margherita Ligure, Italy, October 1-4, 1991. **Invited Speaker.**
14. Todorov M. Well-posedness in the linear vector semi infinite optimization. Proceedings of the tenth international conference on multiple criteria decision making. Taiwan, Taipei, July 19-24, 1992.
15. Todorov M. Vector semi-infinite optimization. Continuity properties. IFORS 93, Lisbon - Portugal, July 12-16, 1993.
16. Todorov M., Georgiev P., Helbig S. Well-defined efficient points in the vector optimization. Workshop, Well-posedness and stability in optimization. September 14-17, 1993, Sozopol.
17. Todorov M., Georgiev P. Well-posedness in the linear infinite optimization. Parametric Optimization IV, Twilt F. and etc. (Ed), Enschede, The Netherlands, June 4-10, 1995.
18. Helbig S., Todorov M. Unicity results for general semi infinite optimization problems using new concept of active constraints. Colloque International sur les Problemes Bien Poses et la Stabilite en Optimization. Y. Sonntag (Ed), Marseille, France, September 11-15, 1995. **Invited Speaker.**
19. Todorov M. Kuratowski convergence of the efficient sets in the parametric linear vector semi-infinite optimization. 6th Workshop of the DGOR-Research group "Decision theory and applications", Gopfert A. and etc. (Ed), 11.3.-14.3.1996, Alexisbad, Germany.
20. Todorov M. Continuity properties in the linear semi-infinite optimization. 8-th French-German Conference on Optimization. Trier, 21-26 July, 1996, Germany.
21. Todorov M. Necessary and sufficient conditions for global lower semicontinuity in the linear semi-infinite optimization. International Workshop on Semi-infinite programming. September 23-26, 1996, Brandenburgische TU, Cottbus, Germany.
22. Canovas M., Lopez M., Para J., Todorov M. Estabilidad en programación semi-infinita. XIII Congreso Nacional de Estadística e Investigación Operativa. Valencia, 11-14 marzo, 1997.
23. Canovas M., Lopez M., Para J., Todorov M. A Non-Continuous Approach to Stability and Well-Posedness in Linear Semi- Infinite Programming. IV Conference on MMOR and VI Workshop on Well-posedness and Stability of Optimization Problems. September 16-20, 1997, Sozopol, Bulgaria.
24. Goberna M.A., Jornet V., Puente R., Todorov M.I. Sistemas analíticos de desigualdades lineales y optimización. XLVIII Reunión Anual de Comunicaciones Científicas. XXI Reunión de Educación Matemática. X Encuentro de Estudiantes de Matemática. Septiembre 21-26, 1998, Bariloche, Argentina.
25. Todorov M. Stability results in linear semi-infinite systems and optimization. IX Escuela Nacional de Optimización y Análisis Numérico (ENOAN'99). Abril 8-13, 1999, Cuernavaca, México.
26. Todorov M. Generic results in linear semi-infinite programming. VII-th Workshop on Well-posedness in Optimization and Related Topics. Gargnano, September 13-18, 1999, Italy. **Invited Speaker.**
27. Jimenez M., Rueckemann J., Todorov M., Criteria for Efficiency in Vector Optimization. International Workshop on Semi-Infinite Programming and Related Topics. Alicante (Spain), 22-24 September, 1999.

28. Ruiz E., Todorov M. Características del conjunto y mapeo factible en una clase de problemas de optimización semi-infinita. XXXII Congreso Nacional de la Sociedad Matemática, Guadalajara (Mexico), del 10 al 16 de Octubre, 1999.
29. Todorov M. Necessary and sufficient conditions for unicity of the feasible set in the linear semi-infinite optimization. International Symposium on Approximation Theory. March 26-April 1, 2K, 50th Anniversary of FCFM-BUAP, Puebla, Pue, Mexico. **Invited Speaker.**
30. Todorov M. Important cones and new concepts of active constraints in linear semi-infinite optimization. ISMP2000, 17th International Symposium on 27. Mathematical Programming. August 7-11, 2000, Atlanta, USA.
31. Jimenez P., Todorov M. Recent developments on the characterization of uniqueness of solutions of infinite linear inequality systems. X Congreso Latino iberoamericano de Investigación de Operaciones y Sistemas (X CLAIO). México, D.F. 4 al 8 de septiembre del 2000.
32. Rebollar L., Todorov M. Sistemas lineales analíticos. XXXIII Congreso Nacional de la Sociedad Matemática, Saltillo (México), del 8 al 14 de Octubre, 2000.
33. Todorov M. Análisis convexo con algunas aplicaciones a círculos separatrices. XI Escuela Nacional de Optimización y Analisis Numerico (ENOAN'2001). Marzo 12-16, 2001, Cunducan, Tabasco, Mexico. **Invited Speaker.**
34. Ruiz E., Todorov M. Characterization of the feaseble set and feasible set mapping in one class of semi-infinite optimization problems. VI Conferencia Internacional de Aproximación y Optimización en el Caribe. Marzo 25-30, 2001, Guatemala City, Guatemala.
35. Goberna M.A., López M.A., Todorov M.I. Restricciones activas extendidas en optimizacion lineal. LVI Reunion Anual de Comunicaciones Científicas. XXIV Reunión de Educacion Matemática. XIII Encuentro de Estudiantes de Matemática. Unión Matemática Argentina. Septiembre 21-26, 2001, San Luis, Argentina.
36. Georgiev P., Todorov M., Helbig S., Tanaka T. Well-defined efficient points in the vector optimization. The 5th International Conference on Optimization: Techniques and Applications. December 15-17, 2001, Hong Kong.
37. Gomez S., Lancho A., Todorov M. Some stability properties in the parametric convex semi-infinite optimization. 7th International Conference on Parametric Optimization and Related Topics. March, 10-15, 2002, Puebla, Pue., Mexico.
38. Todorov M. Stability in convex semi-infinite optimization. III Encuentro Internacional de Aproximación de la Universidad de Jaén. Úbeda 07-11 Julio, 2002, Spain. **Invited Speaker.**
39. Rebollar L., Todorov M. Estabilidad del conjunto optimal dual en un problema lineal semi-infinito. XXXV Congreso Nacional de la Sociedad Matemática Mexicana, Durango, Dgo., (México), del 6 al 11 de Octubre, 2002.
40. Todorov M. Convex sets. VII-mo Ciclo de Conferencias de Física y Matemáticas. UDLA, Santa Catarina Mártir, Puebla, Pue. (México), del 10 al 12 de Febrero 2003, **Invited Speaker.**
41. Todorov M. Representation of the convex sets in the plane. 2nd Summer School on Optimization and Numerical Analysis. San Jose, Costa Rica, March 17-22, 2003, **Invited Speaker.**
42. Todorov M. Continuity properties of some set-valued maps. EURO/INFORMS Joint International meeting, Istanbul 2003, July 06-10.
43. Todorov M. Linear semi-infinite optimization. Extended and modified active constraints. Generic results. IX Workshop on Well-Posedness in Optimization, Marseille-Luminy, France, September 8-12, 2003, **Invited Speaker.**
44. Todorov M. Linear semi-infinite optimization. New concepts of active constraints. International Congress MASSEE 2003, 15-21 September, 2003, Borovets, BULGARIA, **Invited Speaker.**
45. González Enrique, Todorov M. Métodos en programación lineal semi-infinita. XXXVI Congreso Nacional de la Sociedad Matemática Mexicana, Pachuca, Hgo., (México), del 13 al 18 de Octubre, 2003.
46. Todorov M.I. Defects of the dual problems in the linear semi-infinite optimization. EURO XX, 20th European Conference on Operational Research, July 4-7, 2004, Rhodes, Greece, **Chairman of the session on SIP.**
47. Guerra F., Todorov M.I. Sensitivity analysis in linear semi-infinite programming: perturbing cost and right-hand-side coefficients. EUROPT Workshop "Challenges of Continuous Optimization in Theory and Applications", Rhodes, Greece, July 2-3, 2004, **Chairman of a Session.**
48. Lancho Romero A., Gómez S., Todorov M. Resultados sobre unicidad en Optimización Lineal Semi-Infinita. XXXVII Congreso Nacional de la Sociedad Matemática Mexicana, Ensenada, Baja California., (México), del 10 al 15 de Octubre, 2004.

49. Todorov M. On the stability of closed convex-valued mappings and the associated boundaries. VII French-Latin American Congress on Applied Mathematics, Santiago de Chile, Chile, January, 11-13, 2005.
50. Goberna M.A., Todorov M.I. Primal-Dual Stability in Continuous Linear Optimization. 10-th Workshop on Well-Posedness in Optimization and Related Topics, September 5-9, 2005, Borovets, Bulgaria.
51. Todorov M.I. Sensitivity analysis in linear semi-infinite programming: perturbing cost and right-hand-side coefficients. III Congress of Mathematicians of Macedonia, Struga, Macedonia, 29.9-2.10, 2005.
52. Todorov M.I. On semi-infinite optimization. 8th International Conference on Parametric Optimization and Related Topics. Mini symposium on SIO. Cairo, Egypt, November 27 – December 1, 2005, **Chairman of a Session.**
53. Todorov M.I. Continuous optimization: primal-dual stability. FCFM-BUAP, II Simposium Internacional de Teoría de Aproximación. Puebla, México, 20-24 de Febrero de 2006, **Invited Speaker.**
54. Todorov M.I. Stability of set-valued maps and optimization. XVI Escuela Nacional de Optimización y Análisis Numérico (ENOAN'2006). Marzo 26-31, 2006, Apizaco, Tlaxcala, México.
55. Todorov M.I. Linear semi-infinite optimization. Unicity and generic results. EUROPT Workshop on Advances in Continuous Optimization, Reykjavik, Iceland, June 30 – July 1, 2006, **Chairman of a Session.**
56. Todorov M.I. Primal-dual stability. EURO XXI, 21st European Conference on Operational Research, Reykjavik, Iceland, 2-5 July, 2006, **Chairman of a Session.**
57. Todorov M.I. Análisis convexo y sistemas de desigualdades lineales. Segunda Gran Semana de la Matemáticas. FCFM-BUAP, Puebla, México, 23 al 26 de Octubre de 2006, **Invited Speaker.**
58. Todorov M.I. New concepts of active constraints and Nurnberger's type theorems, 8th Workshop USA-Mexico on Optimization and its Applications, Huatulco, Mexico, del 8 a 12 de Enero de 2007.
59. Todorov M.I. Ill-posedness in continuous optimization via partition of the space of parameters. New Trends in Mathematics and Informatics Jubilee International Conference, July 6 - 8, 2007, Sofia, Bulgaria, **Invited Speaker.**
60. Todorov M.I. New concepts of active constraints and partitions of the parameter space in linear semi-infinite optimization. XI Workshop on Well-Posedness of Optimization Problems and Released Topics, September 10-14, 2007, University of Alicante, Spain, **Invited Speaker.**
61. Todorov M.I. Stability and Ill-Posedness in Continuous Linear Optimization. 8th International Conference on Operations Research, February 25th to 29th, 2008, Habana, Cuba, **Main Lecturer.**
62. Todorov M.I. New concepts of active constraints and limits of Nurnberger's type theorems. IX International Conference "Approximation and Optimization in the Caribbean", San Andres Island – Colombia, March 2-3, 2008.
63. Todorov M.I. Bipartition of the parameter space in the linear semi-infinite optimization. Fifth International Conference of Applied Mathematics and Computing, Plovdiv, Bulgaria, August 12-17, 2008, **Invited Speaker.**
64. Todorov M.I. On the representation of closed convex sets. Workshop on Optimization and Applications, December 17-19, 2008, IMI-BAS, Sofia, BULGARIA, **Invited Speaker.**
65. Goberna M.A., E. González, J. E. Martínez-Legaz and Todorov M.I. Descomposición de Motzkin de conjuntos cerrados. XXXI Congreso Nacional de Estadística e Investigación Operativa, V Jornadas de Estadística Publica, Murcia, ES, 10-13 Febrero de 2009.
66. Todorov M.I. On stable uniqueness in LSIO. Second ALEL Meeting on Optimization and Applications, June 26-27, 2009, Alicante, Spain, **Invited Speaker.**
67. Todorov M.I. Representation on M-decomposable sets. Ubeda Meeting on Approximation, June 28-July 1, 2009, Ubeda, Spain, **Invited Speaker.**
68. Guerra F., Todorov M.I. Criteria for Efficiency in Vector Optimization. Segunda Sección del IV Simposio Internacional de Aproximación y Temas Afines, 3 y 4 de Diciembre de 2009, Puebla, MX.
69. Todorov M.I. Sensitivity analysis in linear semi-infinite programming. International Conference on Optimization and its Applications, (ICOIA-BHU-2010), February 16-18, 2010, Department of Mathematics, Banaras Hindu University, Varanasi, India, **Invited Speaker.**
70. Todorov M.I. Criteria for efficiency in vector optimization. 4th Workshop on Optimization and Variational Analysis. In honor of Prof. Marco A. Lopez on his 60th birthday. June 14-16, 2010 – Elche, Spain, **Invited Speaker.**
71. Todorov M.I. Properties of some set valued maps. International Conference on Optimization, Simulation and Control, Ulaanbaatar, Mongolia, July 25-28, 2010.
72. Todorov M.I. Relaxation methods for solving linear inequality systems. ADORT, UAB, Barcelona, 29.11-3.12.2010.

73. Goberna M.A., J. E. Martínez-Legaz and Todorov M.I. Motzkin decomposable sets. REMIA, 10-12 December 2010, Plovdiv, Bulgaria, **Invited Speaker**.
74. E. González, L. Hernandez Rebollar and Todorov M.I. A class of numerical methods for solving linear inequality systems. Mathematics, its applications and mathematical education (MAME'11), Ulan-Ude, Russia: East-Siberian State University of Technology, 27.06-01.07.2011.
75. Goberna M.A., J. E. Martínez-Legaz and Todorov M.I. Stability of the Motzkin representation of closed convex sets. International Conference on Optimization Theory, Algorithms and Applications in Economics - OPT2011, CRM-UAB, Bellaterra (Barcelona), Spain, October 24-28, 2011, **Invited Speaker**.
76. Goberna M.A., J. E. Martínez-Legaz and Todorov M.I. Motzkin representation of a class of closed convex sets. Segundo Encuentro Conjunto de la Real Sociedad Matemática Española (RSME) y de la Sociedad Matemática Mexicana (SMM), Málaga, España del 17 al 20 de enero de 2012, **Coordinador de la seccion "Control y Optimizacion"**.
77. Todorov M.I. Análisis convexo y conjuntos M-descomponibles. Coloquio Internacional Multidisciplinario de Innovación y Tecnología, del 17 al 21 de Septiembre de 2012, Tulancingo, Hidalgo, Mexico, **Invited Speaker**.
78. Todorov M.I. Investigación en Análisis Convexo. Seminario de Ciencias UDLAP, del 26 al 30 de Noviembre de 2012, Puebla, Pue., México, **Invited Speaker**.
79. Todorov M.I. Partición refinada primal-dual continua en programación lineal semi-infinita. XXIII Escuela Nacional de Optimización y Análisis Numérico, 21 a 26 de Abril de 2013, Arteaga, Coahuila, México.
80. Todorov M.I. Stability of the Motzkin representation of closed convex sets. Motzkin predecomposable sets. Topological Methods Analysis and Optimization, June 10-13, 2013, Sofia, Bulgaria, **Invited Speaker**.
81. Todorov M.I. Gamma-active constraints in convex semi-infinite programming. The Mathematical Congress of the Americas, 5-9 August, 2013, Guanajuato, Mexico, **Special Session Speaker**.
82. Todorov M.I. Motzkin representation of closed convex sets. Motzkin predecomposable sets. APPOPT 2013, from 13 to 18 October, Puebla, Pue. Mexico.
83. Todorov M.I. New concepts of active constraints in convex semi-infinite programming. 6th Seminar on Optimization and Variational Analysis. Elche, Spain, June 3-4, 2014, **Invited Speaker**.
84. Todorov M.I. Motzkin representation of closed convex sets. Motzkin predecomposable sets. V ALEL International Conference on Optimization, Seville, Spain, June 5 to 7, 2014, **Invited Speaker**.
85. E. González, Todorov M.I. A refined numerical method for solving linear inequality systems. Mathematics, its applications and mathematical education (MAME'14): Fifth International Conference, Ulan-Ude: East-Siberian State University of Technology, 23-28 June 2014, **Plenary Speaker**.
86. Todorov M.I. On metric regularity of Voronoy cells. International Conference Mathematical Days (MDS 2014) in Sofia, Bulgaria, July -10, 2014.
87. E. González, Todorov M.I. General step iteration in the relaxation method for the feasibility problem, XVII Latin-Iberian-American Conference on Operations Research (CLAIO), Monterrey, Mexico, October 6-10, 2014.
88. Todorov M.I. Constraint qualifications in convex vector semi-infinite optimization, IV Congreso Nacional SMIO, Ciudad Juárez, Chihuahua, México, 7-9 de Octubre de 2015, **Plenary Speaker**.

ORGANIZATION OF CONFERENCES

1. PARAOPT VII, 7th International Conference on Parametric Optimization and Related Topics. March, 10-15, 2002, Puebla, Pue., Mexico, **Chairman of the Organizing Committee**.
2. EURO XX, 20th European Conference on Operational Research. Mini symposium on SIO. July 4-7, 2004, Rhodes, Greece.
3. 8th International Conference on Parametric Optimization and Related Topics. Mini symposium on SIO. Cairo, Egypt, November 27 – December 1, 2005.
4. EURO XXI, 21st European Conference on Operational Research. Stream on LSIP. Reykjavik, Iceland, 2-5 July, 2006.
5. Dias de Optimizacion. UDLA, San Andres Cholula, Puebla, Mexico, October 26-28, 2006, **Chairman of the Organizing Committee**.
6. IX International Conference "Approximation and Optimization in the Caribbean". Mini symposium on SIO. San Andres Island – Colombia, March 2-3, 2008.

7. EURO XXIII, 23rd European Conference on Operational Research. Stream on SIP. Bonn, Germany, 5-8 July, 2009.
8. Segunda Sección del IV Simposio Internacional de Aproximación y Temáticas Afines, 3 y 4 de Diciembre de 2009, Puebla, MX.
9. Segundo Encuentro Conjunto de la Real Sociedad Matemática Española (RSME) y de la Sociedad Matemática Mexicana (SMM), Málaga, España del 17 al 20 de enero de 2012.

PROGRAM COMMITTEE MEMBERSHIPS

1. Workshop on Semi-Infinite Programming and Related Topics. Alicante (Spain), 22-24 September, 1999.
2. EUROPT Workshop “Challenges of Continuous Optimization in Theory and Applications”, Rhodes, Greece, July 2-3, 2004.
3. International Workshop on Semi-Infinite Programming, Tainan, Taiwan, August, 24-27, 2005.
4. 5th WSEAS / IASME International Conference on Systems Theory and Scientific Computation, ISTASC’05. Malta, September, 2005.
5. PARAOPT VIII, 8th International Conference on Parametric Optimization and Related Topics. Cairo, Egypt, November 27 – December 1, 2005.
6. EUROPT Workshop on Advances in Continuous Optimization, Reykjavik, Iceland, June 30 – July 1, 2006.
7. FCFM-BUAP, II Simposio Internacional de Teoría de Aproximación. Puebla, México, 20-24 de Febrero de 2006.
8. IX International Conference “Approximation and Optimization in the Caribbean”, San Andres Island – Colombia, March 2-3, 2008.
9. REMIA, 10-12 December 2010, Plovdiv, Bulgaria.
10. APPOPT 2013, from 13 to 18 October, Puebla, Pue. Mexico.
11. MAME’2014: Fifth International Conference, Ulan-Ude: East-Siberian State University of Technology, 23-28 June, Russia.

INVITED LECTURES AND VISITS

1. Humboldt University, Berlin, Germany - 1986, 1994.
2. Warsaw University, Warsaw, Poland - 1988.
3. Johann Wolfgang Goethe University, Frankfurt am Main, Germany - 1991, 1994, 1995.
4. Alicante University, Alicante, Spain - 1993, 1995, 1997, 2001, 2002, 2004, 2006, 2009, 2010, 2014.
5. Stavanger University, Stavanger, Norway - 1994.
6. Nurnberg University, Nurnberg, Germany - 1995.
7. UNED University, Madrid, Spain - 1997.
8. BUAP University, Puebla, Mexico - 1998, 2004, 2005.
9. University of Jaen, Jaen, Spain - 2001, 2004.
10. Institute of Mathematics & Informatics - BAS, Sofia, Bulgaria - 2003, 2004, 2005, 2006, 2009, 2014.
11. National University of Cuyo, Mendoza, Argentina - 2004, 2007.
12. Universidad Tecnológica de la Mixteca, Huajuapán de León, Oaxaca, México - 2006.
13. University of Elche, Elche, Spain - 2006.
14. National University of Cuyo, San Luis, Argentina - 2007.
15. Instituto de Matemática y Ciencias Afines - IMCA, Lima, Perú - 2008.
16. University of Ballarat, Ballarat, Australia - 2009.
17. Universidad Autónoma de Barcelona, Barcelona, Spain – 2009, 2014.
18. Texas University at Brownsville, Brownsville, USA - 2010.
19. CRM, Barcelona, Cataluña, Spain - 2010.
20. Texas Tech, Lubbock, Texas, USA - 2011.
21. IMPA, Rio de Janeiro, Brasil - 2012, 2014.
22. INAOE, Tonantzintla, Puebla, México - 2013.
23. UDLAP, San Andres Cholula, Puebla, México - 2013.
24. ITSM, Misantla, Veracruz, México - 2016.