DEPARTMENT OF MATHEMATICS AND DESCRIPTIVE GEOMETRY

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II. EQUIPMENT

II.1 Teaching and Research Laboratories

Computer Laboratory

II.2 Special Measuring Instruments and Computers

15 x PC 586, 10 x PC 486, 2 x PC 386

III. TEACHING

III.1 Graduate Study

Subject	Semester	Hours Per Week Lectures Seminars	Lecturer
Mathematics I	1	3 - 3	I. Žembery
			L. Mišík
Mathematics II	2	2 - 2	I. Žembery
			L. Mišík
Mathematics III	3	2 - 2	M. Krišťák
			K. Trokanová
Descriptive Geometry	1	2 - 2	 A. Szittayová
			D. Kyselová
Descriptive Geometry	2	2 - 2	A. Szittayová
			D. Szökeová
Mathematics I	1	4 - 4	J. Širáň
			M. Kalina
Mathematics II	2	4 - 5	J. Širáň
			M. Kalina
Descriptive Geometry	1	2 - 2	V. Zaťková
			Ľ. Valášková
Mathematics I	1	3 - 3	M. Komorníková
Mathematics II	2	3 - 3	M. Komorníková
Mathematics III	3	3 - 3	A. Handlovičová
Descriptive Geometry	2	2 - 2	M. Vajsáblová
Descriptive Geometry	3	2 - 2	M. Vajsáblová
Mathematics	7	2 - 2	A.Handlovičová
			R. Mesiar
Applied Mathematics	7	2 - 1	A.Handlovičová
			O. Nánásiová

Mathematics	7	2 - 3	A.Handlovičová
			R. Mesiar
Mathematical Statistics	7	2 - 2	O. Nánásiová
Measurement and Data Processing Theory	7	2 - 2	O. Nánásiová
Engineering Geometry and AutoCAD		0 - 2	A. Bašová

III.2 Postgraduate Study

Subject	Semester	Hours Per Semester	Lecturer
Numerical Methods I	1	52	M. Komorníková
Numerical Methods II	2	52	M. Komorníková
Mathematical Methods in Fluid Flow, Diffusion	1	52	K. Mikula
and Heat Transfer I			
Mathematical Methods in Fluid Flow, Diffusion	2	52	K. Mikula
and Heat Transfer II			
Mathematical Basis of the Finite Element	1	52	K. Mikula
Method I			
Mathematical Basis of the Finite Element	2	52	K. Mikula
Method II			
Mathematical Statistics	1	52	M. Krišťák
Stochastic Processes	1	52	M. Kalina
Stochastic Processes	2	52	M. Krišťák
Applied Statistics	1	52	O. Nánásiová
Uncertainty Modelling	2	52	R. Mesiar
Theory of Measure and Integral	1	52	R. Mesiar
Algebraic Theory of Graphs	1	52	J. Širáň
Probabilistic Modelling	2	52	J. Širáň
Proposed Experiment in Optimisation	1	52	M. Komorníková
Time Series Analysis in Civil Engineering	2	52	M. Komorníková

IV. RESEARCH TARGETS

- 1. Fuzzy Sets Theory and Applications
- 2. Numerical Analysis of Nonlinear Partial Differential Equations with Applications in:
 - Flow-in Porous Medium
 - Free Boundary Problems
 - Image Processing
- 3. Topological Graph Theory
- 4. Mathematica Applications in Engineering and Economic Problems
- 5. Computer Graphics
- 6. Non-Standard Measure and Integral Theory
- 7. Aggregation Operators

V. RESEARCH PROJECTS

- 1. Modern Mathematical Methods for Uncertainty Modelling and Their Application (2000 2002, Mesiar R.)
- 2. Modern Methods in Mathematics Education and Engineering Geometry (2000 2002, Komorníková M.)
- 3. CEEPUS SK 42 "Fuzzy Control" (2001 2003, Mesiar R.)
- 4. Objectivisation and Optimisation of Some Civil Engineering Problems by Means of Quantitative Methods (1999-2001, Komorníková M.)
- 5. Robust and Efficient Computational Methods in Civil Engineering and Other Applied Sciences (1999 2002, Mikula K.)
- 6. Metric and Topological Properties of Oriented, Non-Oriented and Labelled Graphs (1999 2002, Širáň J.)
- 7. Fuzzy Sets and Their Applications (2001-2003, Mesiar R., in cooperation with Math. Inst. SAS)

VI. COOPERATION

VI.1 Cooperation in Slovakia

- 1. Faculty of Management, Comenius University, Bratislava
- 2. Faculty of Mathematics and Physics, Comenius University, Bratislava
- 3. Institute of Mathematics, Slovak Academy of Sciences, Bratislava
- 4. Military Academy, Liptovský Mikuláš
- 5. Faculty of Electrical Engineering and Informatics, SUT Bratislava
- 6. Technical University, Zvolen
- 7. Faculty of Management, University of Žilina
- 8. Welding Research Institute, Bratislava
- 9. GEOSAN s.r.o., Bratislava
- 10. Faculty of Chemical Engineering and Technology, SUT Bratislava

VI.2 International cooperation

- 1. University of Linz, Austria
- 2. University of Novi Sad, Yugoslavia
- 3. University of Haifa, Israel
- 4. CTU Prague, Czech Republic
- 5. University of Ostrava, Czech Republic
- 6. University of Liberec, Czech Republic
- 7. WB University, Plzeň, Czech Republic
- 8. Czech Academy of Sciences, Czech Republic
- 9. University of Ghent, Belgium
- 10. TU Budapest, Hungary
- 11. University of Waterloo, Canada
- 12. University of Central Lancashire, Preston, U.K.
- 13. University of Freiburg, Germany
- 14. University of Bremen, Germany
- 15. University of Heidelberg, Germany

- 16. University of Vermont, Burlington, USA
- 17. University of California, Berkeley, USA
- 18. University of Newcastle, Australia
- 19. University of Bologna, Italy
- 20. CINECA Supercomputing Centre, Bologna, Italy
- 21. University of Gröningen, the Netherlands
- 22. University of the Balearic Islands, Palma de Mallorca, Spain
- 23. University "La Sapienza", Rome, Italy
- 24. Syracuse University, Syracuse, NY, USA
- 25. University of Dortmund, Germany
- 26. Weierstrass Institute for Applied Analysis and Stochastics, Berlin, Germany
- 27. Western Australia University, Perth, Australia
- 28. University of Auckland, New Zealand
- 29. University of Paris VI, France
- 30. TU Cracow, Poland
- 31. Pohang University of Science and Technology, South Korea
- 32. Western Washington University, Bellingham, USA
- 33. McMaster University, Hamilton, Canada

VI.2.1 Visitors to the Department

- 1. Prof. ALDRED, New Zealand, July 2001
- 2. ALEXANDER TAKAČI, Austria, April 2001
- 3. BENEŠ, CTU Prague, Czech Republic, September 2001
- 4. Prof. BENVENUTI, University "La Sapienza", Rome, Italy, September 2001
- 5. Ing. BOEVA, Bulgaria, January 2001
- 6. Prof. BONNINGTON, New Zealand, July 2001
- 7. Prof. CALVO, University of Palma de Mallorca, Spain, September 2001
- 8. Prof. CANDELORO, Italy, September 2001
- 9. Dr. DAŇKOVÁ, Austria, April and September 2001
- 10. DAVORKA RADAKOVIČ, Austria, April 2001
- 11. Ing. DVOŘÁK, Czech Republic, January 2001
- 12. Prof. GONZALES, Spain, September 2001
- 13. Prof. GRANNELL, Open University, England, July 2001
- 14. Prof. GRIGGS, Open University, England, July 2001
- 15. Mgr. HORČÍK, Czech Republic, September 2001
- 16. Ing. CHALUPECKÝ, Czech Republic, September 2001
- 17. JANA ŠTAJNER PAPUGA, Austria, April 2001
- 18. Prof. KERSNER, Hungary, November 2001
- 19. Prof. KORZHIK, Cernovtsy University, Ukraine, July 2001
- 20. Prof. KULCZYNSKI, Poland, September 2001
- 21. Prof. LAZAROV, Spain, September 2001
- 22. Prof. LIN, Australia, October 2001
- 23. Doc. LUKÁČOVÁ, Czech Republic, October 2001
- 24. Prof. MAREŠ, Czech Republic, September 2001
- 25. Ing. MIKIŠKA, Czech Republic, September 2001
- 26. Prof. MILLER, Australia, September 2001
- 27. Prof. MUEL, Spain, September 2001
- 28. Prof. NAVARA, CTU Prague, Czech Republic, September 2001
- 29. Prof. NOVÁK, Czech Republic, September 2001

- 30. Dr. PINA BARBIERI, Austria, April 2001
- 31. Prof. RAMEK, Australia, February 2001
- 32. Dr. RYAN, Australia, September 2001
- 33. Mgr. SAMINGER, Austria, April 2001
- 34. Prof. SIMANJUNTAK, Indonesia, September 2001
- 35. Prof. TUCKER, USA, July 2001
- 36. Prof. VIERTL, Austria, September 2001
- 37. Prof. VIVONA, Italy, September 2001
- 38. Prof. WATKINS, USA, July 2001

VI.2.2 Visits of Staff Members and Postgraduate Students to Foreign Institutions

- 1. BYSTRICKÝ, R, Department of Mathematics, University of Montreal, Canada, 2001, 2 weeks
- 2. HANDLOVIČOVÁ, A., Department of Mathematics, University of Montreal, Canada, 2001, 2 weeks
- 3. IPOLYIOVÁ, M., University of Ostrava, Czech Republic, May June, 2001 (CEEPUS, 1 month)
- 4. KALINA, M.
- TU Dortmund (7th Fuzzy Days Conf.), Germany, 5 days
- CTU Prague + University of Ostrava, Czech Republic, 1 month
- 5. KNOR, M, The Open University, England, May 2001 (London Mathematical Society), 1 month
- 6. KRIVÁ, Z.
- Department of Applied Mathematics, University of Bonn, Germany, 2 weeks
- CTU Prague, Czech Republic, 4 weeks
- Department of Mathematics, University of Montreal, Canada, 2001, 2 weeks
- 7. MESIAR R.
- PAN Warsaw, Poland, January 2001, 4 days
- PAN Warsaw, Poland, May 2001, 4 days
- TU Budapest, Hungary, June 2001, 4 days
- Department of Mathematics, Johannes Kepler Universität, Linz, Austria, February 2001, 6 days
- Department of Mathematics, Johannes Kepler Universität, Linz, Austria, November 2001, 1 month
- University of Alcalá, Spain, March 2001, 1 month
- University "La Sapienza", Rome, Italy, May 2001, 1 month
- TH Zittau, Germany, September 2001, 4 days
- University of Oviedo, Spain, July 2001, 7 days

- 8. MIKULA K.
- Department of Mathematics, University of Bologna, Italy, 2001, 2 weeks
- Department of Mathematics, University of Montreal, Canada 2001, 2 weeks
- Institute of Applied Mathematics, University of Bonn, Germany 2001, 1 week
- Institute of Applied Mathematics, University of Freiburg, Germany, 2001, 1 week
- Department of Mathematics, Faculty of Nuclear and Physical Engineering, CTU Prague, Czech Republic, 2001, 1 week
- Weierstrass Institute for Applied Analysis and Stochastics, Berlin, Germany, 2000, 3 weeks
- 9. ŠIRÁŇ J.
- Western Washington University, Bellingham, U.S.A., April June 2001, 3 months
- Florida Atlantic University, U.S.A., July 2001, 1 week
- 10. MORDELOVÁ, J., TU Krakow (CEEPUS), Poland, June 2001, 1 month
- 11. NÁNÁSIOVÁ, O., KM UP, Olomouc, Czech Republic
- 12. ŠIAGIOVÁ J.
- University of Ostrava (CEEPUS), Czech Republic, May-June 2000, 1 month
- University of Auckland, Auckland, New Zealand, May 2001
- University of Newcastle, Newcastle, Australia, April 2001

VII. THESES

VII.1 Graduate Theses

1. VAJSÁBLOVÁ, M., Territorial Model of Land, PhD., SvF STU, Bratislava, 2001

VIII. OTHER ACTIVITIES

VIII.1 Special Lectures

- i) In Slovak
- [1] BAŠOVÁ H., MÉSZÁROSOVÁ K.: Surfaces that Occur in Engineering Practice. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [2] BYSTRICKÝ, R.: Non-Linear Approach to Computing Seismic Ground Vibrations. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [3] HANDLOVIČOVÁ, A.: Introduction to the Theory of Boundary Elements. PRASTAN 2001 Conference, Kočovce

- [4] IPOLYIOVÁ, M.: Tilings from a Different Perspective. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [5] KALINA, M.: Derivates and Uncertainty. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [6] KALINA, M.: Fuzzy Analysis of Real Functions. FPV UMB, Banská Bystrica, April 18, 2001.
- [7] KALINA, M.: An Elementary Introduction to Bootstrapping. PRASTAN 2001 Conference, Kočovce
- [8] KALINA, M.: Fuzzy Differentiation. Seminar on Non-Standard Mathematical Methods, Bratislava, March 21, 2001
- [9] KALINA, M.: Fuzzy Measures. Seminar on Non-Standard Mathematical Methods, Bratislava, December 5, 2001
- [10] KALINA, M.: Various Types in Independence on MV-Algebra. Seminar on D-posets in Quantum Structure Systems, Kaleník, October 19 21, 2001
- [11] KNOR, M.: Colouring of Cubic Graphs by Steiner Triple Systems II. Seminar on Graph Theory, MFF UK, November 2001.
- [12] KNOR, M.: Iterated Line Graphs. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [13] KNOR, M.: Iterated Line Graphs and Rotations. Seminar on Graph Theory, MFF UK, March 2001.
- [14] MESIAR, R.: Aggregation Operators. Seminar on Non-Standard Mathematical Methods, Bratislava, October 10, 2001
- [15] MESIAR, R.: K-states. Seminar on D-posets in Quantum Structure Systems, Kaleník, October 19 21, 2001
- [16] MORDELOVÁ, J.: 1-Lipschitz Operators. Seminar on Non-Standard Mathematical Methods, Bratislava, April 11, 2001
- [17] MORDELOVÁ, J.: Aggregation Operators on Finite Sets. Seminar on Non-Standard Mathematical Methods, Bratislava, November 7, 2001
- [18] NÁNÁSIOVÁ, O.: Abelian Extensions. Seminar on Quantum Logic, FEI STU Bratislava
- [19] NÁNÁSIOVÁ, O.: D-sets in a Plane. Seminar on D-posets in Quantum Structure Systems. Kaleník, October 19 21, 2001
- [20] NÁNÁSIOVÁ, O., KALICKÁ J.: Time Series. PRASTAN 2001 Conference, Kočovce
- [21] NÁNÁSIOVÁ, O.: Uncertainty Models. Seminar on Non-Standard Mathematical Methods, Bratislava, December 12, 2001
- [22] NÁNÁSIOVÁ, O.: Selected Problems in D-sets. Seminar on Non-Standard Mathematical Methods, Bratislava, April 25, 2001
- [23] NÁNÁSIOVÁ, O.: Conditional States. Research Seminar, Vyhne
- [24] NÁNÁSIOVÁ, O.: Examples of D-sets. Seminar on Quantum Logic, FEI STU
- [25] NÁNÁSIOVÁ, O.: Decomposition of D-sets. Seminar on Quantum Logic, FEI STU
- [26] NÁNÁSIOVÁ, O.: Fundamentals of D-sets. Seminar on Quantum Logic, FEI STU

- [27] RÜCKSCHLOSSOVÁ, T.: Invariant Aggregation Operators. Seminar on Non-Standard Mathematical Methods, Bratislava, November 14, 2001
- [28] RÜCKSCHLOSSOVÁ, T.: Invariant Operators. Seminar on Non-Standard Mathematical Methods, Bratislava, April 4, 2001
- [29] ŠIAGIOVÁ, J.: Algebraic Methods in the Study and Design of Communication Networks. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [30] ŠIRÁŇ, J.: Applications of Algebraic Topology in Chemistry. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [31] ŠIRÁŇ, J.: Connections Between Geometry. Group Theory, Complex Analysis and Graph Theory. Lecture at the JSMF Annual Meeting, March 2001
- [32] STANKOVIČOVÁ, I., NÁNÁSIOVÁ, O.: Teaching SAS. SAS Forum 2001, Users Conference, Smolenice
- [33] SZÖKEOVÁ, D.: Golden Ratio Algebraic and Geometric Properties. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [34] SZÖKEOVÁ, D.: Golden Ratio in Geometry. 10th Seminar on Computer Geometry, Kočovce, September 2001
- [35] VAJSÁBLOVÁ, M.: A Geometrician's View of Mathematical Cartography. Conference on Mathematics, Geometry and Their Applications MAGIA 2001, Kočovce, September 14-16, 2001
- [36] VICENÍK, P.: Additive Generators of t-norms. Seminar on Non-Standard Mathematical Methods, December 19, 2001, Bratislava
- [37] VICENÍK, P.: Pseudoinverse Functions to Monotonous Functions. Lechive at FPV UMB, Banská Bystrica, April 18, 2001.

ii) In English

- [1] BENVENUTI, P., <u>MESIAR, R.:</u> Pseudo-Arithmetical Operations in the Integral Representation of Aggregation Operators. International Conference on Uncertainty Modelling, Bratislava, September 2001
- [2] BYSTRICKÝ, R.: Nonlinear Approach in the Solution of the Seismic Response of a Foundation. SCAM 2001, Bratislava, April 2001
- [3] CALVO, T., <u>MESIAR, R.:</u> Stability of Aggregation Operators. EUSFLAT 2001, September 5 7, 2001, Leicester
- [4] CALVO, T., <u>MESIAR, R.:</u> Weighted Triangular Norm-Based Aggregation. International Conference on Uncertainty Modelling, Bratislava, September 2001
- [5] IPOLYIOVÁ, M., ŠIAGIOVÁ, J.: Linear Representations of Triangle Groups and Congruence Subgroups. SCAM 2001, Bratislava, April 20-21, 2001
- [6] IPOLYIOVÁ, M., ŠIAGIOVÁ, J.: Regular Maps. Chebychev Polynomials and Minimal Polynomials of 2 cos (π / n). Czech and Slovak Conference on Graph Theory and Combinatorics, Sedmihorky Spa, June 4-8, 2001

- KALINA, M.: Fuzzy Limits and Fuzzy Nearness Relation. 7th Fuzzy Days in Dortmund [7]
- KALINA, M., NÁNÁSIOVÁ, O.: Conditional Pseudo-Additive Measures. International [8] Conference on Uncertainty Modelling, Bratislava, September 2001
- KNOR, M.: Connectivity of Iterated Line and Path Graphs. GRAFY 2001, Sedmihorky, [9] Czech Republic, June 2001.
- [10] KNOR, M.: Connectivity of Path Graphs and Embeddings on Surfaces. GEMS 2001 Conference, Bratislava, July 2001.
- [11] KNOR, M.: All Cubic Graphs are STS(381)-Colourable. Cycles and Colourings 2001, Stará Lesná, September 2001.
- [12] KNOR, M.: Iterated Line Graphs and Iterated Path Graphs. Open University, Milton Keynes, England, May 2001
- [13] KOLESÁROVÁ, A., MORDELOVÁ, J.: 1-Lipschitz and Kernel Aggregation Operators. International Summer School on Aggregation Operators - AGOP 2001, July 10 – 13, 2001, Oviedo
- [14] KOMORNÍKOVÁ, M., KOMORNÍK, J.: Modelling Common Trends in Geodesy. International Conference on Uncertainty Modelling, Bratislava, September 2001
- [15] KOMORNÍKOVÁ, M., KOMORNÍK, J.: Models of Some Slovak Economic Time Series. 6th International Conference on Global Business and Economics, Bratislava, November 2001
- [16] KRIVÁ, Z.: Adaptive Finite Volume Schemes in the Processing of 3D Data Sets. SCAM
- [17] MESIAR, R.: Integration with Respect to Fuzzy Measures. Dipartimento di Matematica e Informatica, Universita di Udine, February 22, 2001, Udine
- [18] MESIAR, R.: k-order Additivite Measure. Bratislava Vienna Colloquium on Uncertainty Modelling, Technical University, Vienna, October 9, 2001
- [19] MESIAR, R.: Triangular Norms What Are They and What Are They Good For. Seminar on Uncertainty Modelling, Systems Research Institute PAN, Warsaw, January, 2001
- [20] MESIAR, R.: Triangular Norms. Dipartimento di Matematica e Informatica, Universita di Udine, Udine, February 22, 2001
- [21] MESIAR, R.: A Geometric Look at Integration. Perugia, May 15, 2001
- [22] MESIAR, R.: Aggregation Operators Special Classes and Properties. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, April 3, 2001
- [23] MESIAR, R.: Aggregation Operators. International Summer School on Aggregation Operators - AGOP 2001, Oviedo, July 10 – 13, 2001
- [24] MESIAR, R., CALVO, T.: Weighted Triangular Norm-Based Aggregation Operators. International Conference on Uncertainty Modelling, Bratislava, September 2001
- [25] MESIAR, R.: Fuzzy Measures and k-order Additivity. Master's and PhD. Seminar, Hagenberg, November 2001
- [26] MESIAR, R.: Fuzzy Measures. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, March 13, 2001
- [27] MESIAR, R., Fuzzy Quantities and Their Processing. FUZZY 2001, Zittau, September 17 -19,2001

- [28] MESIAR, R.: Generalized Möbius Transformation of Monotone Set Functions. International Conference on Uncertainty Modelling, Bratislava, September 2001
- [29] MESIAR, R.: Geometric Look at Aggregation Operators. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, March 20, 2001
- [30] MESIAR, R.: Choquet Integrals. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, March 13, 2001
- [31] MESIAR, R.: Integral Based on Moebius Transformation. Universitá "La Sapienza", Rome, May 8, 2001
- [32] MESIAR, R.: Invariant Aggregation Operators. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, April 3, 2001
- [33] MESIAR, R., KLEMENT, E. P., PAP, E.: Geometric Approach to Aggregation. EUSFLAT 2001, September 5 – 7, 2001, Leicester
- [34] MESIAR, R., KLEMENT, E. P., PAP, E.: On Stable 2-copulas. International Conference on Uncertainty Modelling, Bratislava, September 2001
- [35] MESIAR, R.: Maxitive and k-order Maxitive Measures. Workshop on Max-Plus Algebras, August 27-29, Prague, 2001
- [36] MESIAR, R.: Moebius Transform and Its Generalisations. Universitá "La Sapienza", Roma, May 8, 2001
- [37] MESIAR, R.: Operators Related to Triangular Norms. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, March 27, 2001
- [38] MESIAR, R.: Scale Invariant Operators. EUSFLAT'2001, September 5 7, 2001, Leicester
- [39] MESIAR, R.: Special Fuzzy Measures. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, March 20, 2001
- [40] MESIAR, R.: Triangular Norms. Seminars of Prof. Mesiar, Universidad de Alcalá, Madrid, March 27, 2001
- [41] MESIAR, R.: Triangular Norms: From Probabilistic Metrix Spaces to Multi-Valued Logic. Alfred Tarski Centenary Conference, Warsaw, May 28 – June 1, 2001
- [42] MIKULA, K.: Curvature Driven Models and Their Numerical Solution in Image Processing. Numerical Methods for Singular Free Boundary Problems and Hamilton-Jacobi Equations, ENUMATH 2001, Ischia
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IX.2 Books and Textbooks

a) Scientific books and chapters in scientific books

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- [4] MIKULA, K.: Solution and Applications of the Curvature Driven Evolution of Curves and Surfaces in Numerical Methods for Viscosity Solutions and Applications (eds. M. Falcone, Ch. Makridakis), Series on Advances in Mathematics for Applied Sciences, Vol. 59, World Scientific, Singapore (2001) 173-196

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- [2] SZÖKEOVÁ D.: Descriptive Geometry I., Parallel Projection. STU Bratislava, 2001
- [3] ŠIRÁŇ, J. et al.: Handbook for Entrance Examinations in Mathematics at STU Bratislava, STU Bratislava, 2001

IX.3 Conferences

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- [2] International Conference on Uncertainty Modelling, September 2001, Bratislava
- [3] International Conference on Graph Embedding and Maps on Surfaces, Bratislava, July 9 13, 2001
- [4] Conference on Probability, Statistics and Numerics PRASTAN 2001, Kočovce, June 2001
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- [6] JSMF Seminar on Non-Standard Mathematical Methods
- [7] Invited Session on Aggregation Operators as part of EUSFLAT Conference, Leicester, September 5–7, 2001
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