

## Publikačná činnosť 2007- Katedra matematiky

### **ACB – Vysokoškolské učebnice vydané v domácich vydavateľstvách**

**ACB 01** Ďurikovič, V., Ďurikovič, D.: Matematická analýza 2, FPV UCM, 2006, s. 215.

### **ADC Vedecké práce v zahraničných karentovaných časopisoch**

**ADC 01** Ďurikovič R., Ágošton T.: Prediction of optical properties of paints. In: *Central European Journal of Physics*, Vol. 5, No. 3, 2007, pp. 416-427, ISSN 1895-1082.

### **ADF Vedecké práce v domácich nekarentovaných časopisoch**

**ADF 01** Janiga I., Garaj I.: Štatistický tolerančný interval - nástroj riadenia kvality. In: *Forum Statisticum Slovaca : vedecký časopis Slovenskej štatistickej a demografickej spoločnosti*, Roč. III, č. 4, 2007, s. 46-57. ISSN 1336-7420.

**ADF 02** Ďurikovič R., Šedo I.: Real-time Friendly Representation of Arbitrary BRDF with Appearance Industry Measurements. In: *Journal of Applied Mathematics, Statistics and Informatics*. Vol. 3, No. 1, 2007, pp. 17-26. ISSN 1336-9180

**ADF 03** Glasa J., Halada L.: Envelope theory and its application for a forest front evolution. In: *Journal of Applied Mathematics, Statistics and Informatics*, Vol. 3, No. 1, 2007, pp. 27-37. ISSN 1336-9180.

**ADF 04** Mocak J., Janiga I., Rievaj M., Bustin D.: The Use of Fractional Differentiation or Integration for Signal Improvement. In: *Measurement science review [elektronický zdroj <http://www.measurement.sk>]*, Vol. 7, Section 1, No. 5, 2007, pp. 39-42. ISSN 1335-8871.

**ADF 05** Ďurikovič D., Ďurikovič R.: Electronic data representation into the audio space. In: *Journal of Applied Mathematics, Statistics and Informatics*, Vol. 3, No. 2, 2007, (v tlači) ISSN 1336-9180.

### **AFC Publikované príspevky na zahraničných vedeckých konferenciách**

**AFC 01** Ágošton T., Csuprai C., Onderik J., Ďurikovič R.: Design of Modular Rendering Pipeline. In: *CIT 2007: Proceedings: 7th IEEE International Conference on Computer and*

*Information Technology*. Ed. Toshiaki Miyazaki, Incheon Paik, Daming Wei. Los Amigos: IEEE Computer Society, 2007, p. 322-327. ISBN 978-0-7695-2983-7.

**AFC 02** Kúkelová Z., Đurikovič R.: Convolution and Variational Implicit Surfaces in Sketch-based Modeling. In: *Mccsis 2007 [elektronický zdroj] : IADIS Multi Conference on Computer Science and Information Systems : 3 - 8 July 2007 Lisbon, Portugal*. - IADIS Press, Lisbon, 2007, p. 35-42. ISBN 978-972-8924-39-3

**AFC 03** Kubliha M., Trubenová J.: Riešenie aproximácie metódou najmenších štvorcov pomocou numetických metód . In: *XX. DIDMATTECH 2007 [elektronický zdroj] : elektronická verze monografie XX. DIDMATTECH 2007*. Ed. J. Stoffa, V. Stoffová a M. Chráska ml. Votobia, Olomouc, 2007, s. 339-343. ISBN 80-7220-296-0.

**AFC 04** Đurikovič D., Đurikovič R.: Metrics for Electronic data Representation into the Audio Space. In: *Proceedings of ISSM'07: the Eight International Symposium on Spatial Media: October 16-18, 2007*. Ed. Aizu-Wakamatsu, Fukushima-ken. University of Aizu, 2007, p. 1-10.

**AFC 05** Jančigová A., Đurikovič R.: Web Accessibility through an Alternative Interface. In: *Professional Communication Seminar in Japan : Proceedings*, 2007, p. 33-37.

### **AFD Publikované príspevky na domácich vedeckých konferenciách**

**AFD 01** Glasa J., Halada L.: Envelope theory and its application for a forest front evolution. In: *Applied Natural Sciences 2007 [elektronický zdroj]: Proceedings : International Conference on Applied Natural Sciences, Trnava, November 7-9, 2007*. Ed. M Pipíška & M. Horník. UCM in Trnava, 2007, p. 183-194. ISBN 978-80-89220-91-5.

**AFD 02** Đurikovič R., Šedo I.: Real-time Friendly Representation of Arbitrary BRDF with Appearance Industry Measurements. In: *Applied Natural Sciences 2007 [elektronický zdroj] : Proceedings : International Conference on Applied Natural Sciences, Trnava, November 7-9, 2007*. Ed. M Pipíška & M. Horník. UCM in Trnava, 2007, p. 173-182. ISBN 978-80-89220-91-5.

**AFD 03** Onderik J., Đurikovič R.: Efficient Neighbor Search for Particle-based Fluids. In: *Applied Natural Sciences 2007 [elektronický zdroj]: Proceedings : International Conference on Applied Natural Sciences, Trnava, November 7-9, 2007*. Ed. M Pipíška & M. Horník.

University of SS. Cyril and Methodius in Trnava, 2007, p. 220-234. ISBN 978-80-89220-91-5.

**AFD 04** Đurikovič D., Đurikovič R.: Electronic data representation into the audio space. In: *Spring Conference on Computer Graphics SCCG 2007 in cooperation with Eurographics: Conference Materials and Posters : Budmerice April 26 - 28, 2007*. Ed. M. Samuelčík. Comenius University, Bratislava 2007, p. 25-28. ISSN 1335-5694.

**AFD 05** Mocak J., Janiga I., Rievaj M., Bustin D.: Signal improvement using fractional differentiation or integration. In: *Measurement 2007: Proceedings of the 6<sup>th</sup> International Conference on Measurement : Smolenice, Slovakia, May 20 - 24, 2007*. Ed. I. Frollo & J. Maňka & V. Juráš. VEDA, Publisher SAV, Bratislava 2007, p. 51-54. ISBN 978-80-969672-0-9.

**AFD 06** Janiga I., Mocak J., Garaj I.: The Link Between the IUPAC Detection Limit and Minimum Detectable Concentration. In: *Measurement 2007: Proceedings of the 6<sup>th</sup> International Conference on Measurement : Smolenice, Slovakia, May 20 - 24, 2007*. Ed. I. Frollo & J. Maňka & V. Juráš. VEDA, Publisher SAV, Bratislava, 2007, p. 94-97. ISBN 978-80-969672-0-9.

### **AFH Abstrakty príspevkov z domácich konferencií**

**AFH 01** Janiga I., Mocak J., Cisko P.: Estimation of minimum detectable value by using linear calibration with standard deviation linearly dependent on the net state variable. In: *Applied Natural Sciences 2007: Book of abstracts: International Conference on Applied Natural Sciences Trnava, November 7-9, 2007*. Ed. M. Pipíška. UCM in Trnava, 2007, p. 72. ISBN 978-80-89220-90-8.

**AFH 02** Đurikovič R., Šedo I.: Real-time Friendly Representation of Arbitrary BRDF with Appearance Industry Measurements. In: *Applied Natural Sciences 2007: Book of abstracts: International Conference on Applied Natural Sciences Trnava, November 7-9, 2007*. Ed. M. Pipíška. UCM. in Trnava, 2007, p. 66. ISBN 978-80-89220-90-8.

**AFH 03** Đurikovič V.: Nonlinear vibration problems. In: *Applied Natural Sciences 2007: Book of abstracts: International Conference on Applied Natural Sciences Trnava, November 7-9, 2007*. Ed. M. Pipíška. UCM in Trnava, 2007, p. 67. ISBN 978-80-89220-90-8.

**AFH 04** Glasa J., Halada, L.: Envelope theory and its application for a forest front evolution. In: *Applied Natural Sciences 2007: Book of abstracts: International Conference on Applied*

*Natural Sciences Trnava, November 7-9, 2007*. Ed. M. Pipíška. UCM Methodius in Trnava, 2007, p. 69. ISBN 978-80-89220-90-8.

**AFH 05** Onderik J., Đurikovič R.: Efficient neighbor search for practice – based fluids. In: *Applied Natural Sciences 2007: Book of abstracts: International Conference on Applied Natural Sciences Trnava, November 7-9, 2007*. Ed. M. Pipíška. UCM in Trnava, 2007, p. 74. ISBN 978-80-89220-90-8.

### **GAI Výskumné štúdie a priebežné správy**

**GAI 01** Đurikovič R., Šedo I., Ágošton T.: APCOCOS: Appearance prediction of color coatings based on under-surface Scattering and optical measurements of bi-directional reflectanction distribution function [elektronický zdroj]: D1.1 Presenting the paint structure / - Číslo projektu: 40681. - [Brusel] : Marie Curie Actions, [2007]. - viii, 63 P.

**GAI 02** Đurikovič R., ÁgoštonT., Durikovič D.: APCOCOS: Appearance prediction of color coatings based on under-surface Scattering and optical measurements of bi-directional reflectanction distribution function [elektronický zdroj] : M1.1 Experimental design. Číslo projektu: 40681. - [Brusel] : Marie Curie Actions, [2007]. Spôsob prístupu: <http://cordis.europa.eu/mariecurie-actions/>.

**GAI 03** Đurikovič R.: APCOCOS: Appearance prediction of color coatings based on under-surface Scattering and optical measurements of bi-directional reflectanction distribution function [elektronický zdroj]: M1.2 Reintegration student participation. Číslo projektu: 40681. - [Brusel] : Marie Curie Actions, [2007]. - prístupu: <http://cordis.europa.eu/mariecurie-actions/>.