

EXTRACT FROM OP-SF NET

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Subject: ADSA Siafarikas memorial issue

In September 2012 an International Conference on Differential Equations, Difference Equations and Special Functions (ICDDESF), was held in Patras, Greece and was dedicated to the memory of Professor Panayiotis D. Siafarikas. A special issue (Vol 8, no, 2 (2013) of “Advances in Dynamical Systems and Applications”

containing papers based on some of the talks given during the Conference has appeared on line at:

http://campus.mst.edu/adsa/index_files/adsa82.htm

This site provides open access to the papers:

*Ondřej Došlý, Evangelos K. Ifantis, Chrysi G. Kokologiannaki, Andrea Laforgia, Lance Littlejohn, Martin Muldoon and Eugenia N. Petropoulou, **Preface**, pages 157-167.*

*Evangelos K. Ifantis, Chrysi G. Kokologiannaki and Eugenia N. Petropoulou, **Panayiotis D. Siafarikas: His Life and Work**, pages 169-179.*

*Mohamed J. Atia, Lance L. Littlejohn and Jessica Stewart, **Spectral Theory of X_1 -Laguerre Polynomials**, pages 181-192.*

*Ondřej Došlý, **Symplectic Difference Systems: Natural Dependence on a Parameter**, pages 193-201.*

*John R. Graef, Lingju Kong and Min Wang, **Multiple Solutions to a Periodic Boundary Value Problem for a Nonlinear Discrete Fourth Order Equation**, pages 203-215.*

*Katelyn Grayshan and A. Alexandrou Himonas, **Equations with Peakon Traveling Wave Solutions**, pages 217-232.*

*Johnny Henderson and Rodica Luca, **Existence and Multiplicity of Positive Solutions for a System of Higher-Order Multi-Point Boundary Value Problems**, pages 233-245.*

*Mourad E. Ismail and Martin E. Muldoon, **Higher Monotonicity Properties of q gamma and q -psi Functions**, pages 247-259.*

Andrea Laforgia and Pierpaolo Natalini, **On some Inequalities for the Gamma Function**, pages 261-267.

G. Yu. Mehdiyeva, V. R. Ibrahimov and M. N. Imanova, **A Method for Solving Nonlinear Volterra Integral Equations**, pages 269-280.

Nikolas S. Papageorgiou and George Smyrlis, **Multiple Solutions for Parametric Neumann Problems with Indefinite and Unbounded Potential**, pages 281-293.

Zdeněk Pospíšil, **Shape of a Travelling Wave in a Time-Discrete Reaction-Diffusion Equation**, pages 295-302.

Marcos Rodrigues, Abdusslam Osman and Alan Robinson, **Partial Differential Equations for 3D Data Compression and Reconstruction**, pages 303-315.

Bianca-Renata Satco and Corneliu-Octavian Turcu, **Hybrid Systems by Methods of Time Scales Analysis**, pages 317-326.

Javier Segura, **Some Analytical and Numerical Consequences of Sturm Theorems**, pages 327-347.

I.P. Stavroulakis, **Oscillation Criteria for Delay and Advanced Difference Equations with General Arguments**, pages 349-364.

Nico M. Temme, **Remarks on Slater's Asymptotic Expansions of Kummer Functions for Large Values of the α -Parameter**, pages 365-377.

Petr Tomášek, **An Asymptotic Estimate for Linear Delay Differential Equations with Power Delayed Arguments**, pages 379-386.

A. K. Tripathy, **New Oscillation Criteria for Fourth-Order Difference Equations**, pages 387-399.

Erik A. van Doorn, **Weighted Sums of Orthogonal Polynomials Related to Birth-Death Processes with Killing**, pages 401-412.

L. Villafuerte and J.-C. Cortés, **Solving Random Differential Equations by Means of Differential Transform Methods**, pages 413-425.

M. A. Xenos and E. E. Tzirtzilakis, **MHD Effects on Blood Flow in a Stenosis**, pages 427-437.