

Contents - Vol. 18, Fasc. 3-4

Proceedings of Fourth International Symposium “Transform Methods & Special Functions, Borovets’ 2003” (“TMSF, Borovets’ 2003”)

<i>Preface</i>	225
<i>M. Assal, M.M. Nessibi</i> Bessel-Sobolev Type Spaces	227
<i>G. Boychev</i> A Tauberian Theorem of Littlewood Type for the Summation by Means of Laguerre Polynomials	235
<i>N. Cakic, Gr. Milovanovic</i> On Generalized Stirling Numbers and Polynomials	241
<i>M. Canak, L. Stefanovska, L. Protic</i> On Finite-Integrable p -Analytic Partial Differential Equations	249
<i>G. Chobanov, I. Dimovski</i> Extension of the Duhamel Principle for Time-Nonlocal Boundary Value Problems	259
<i>I. Dimovski, J. Paneva</i> Duhamel Representation for a Class of Non-Local Boundary Value Problems	265
<i>I. Dimovski, M. Spiridonova</i> Computer Implementation of Solutions of BVP for Finite Vibrating Systems	277
<i>S. Gegovska-Zajkova, B. Jovanovic</i> Two-Dimensional Spectral Problems Containing Delta Distribution or Conjugation Conditions	287
<i>E. Hadzieva, I. Shapkarev</i> Polynomial as a General Solution of a Linear Differential Equation of Fourth Order	295

<i>B. Ilievski</i>	
One Subclass of Generalized Analytic Functions of Third Class	305
<i>Z.J. Jakubowski, A. Lazinska, A. Sibelska</i>	
On Some Properties of Complex Harmonic Mappings with a Two-Parameter Coefficient Condition	313
<i>M. Jovanovic, S. Jankovic</i>	
L^{2m} -Asymptotic Behavior of Solutions of Perturbed Stochastic Integrodifferential Equations	321
<i>S.L. Kalla, Y.Ben Nakhi</i>	
A Modified Form of Nonlinear Differential Equations of Non-Newtonian Fluid Flows	335
<i>S. Kempfle, I. Schaefer</i>	
Physical Consistency of Fractional Ψ DO	345
<i>A. Kilicman, M.Abu Hassan</i>	
A Note on Differential Equations with Distributional Coefficients	355
<i>V. Manova Erakovic</i>	
Blaschke Distribution with Respect to Convolution	365
<i>Gr. Milovanovic, M. Stanic</i>	
Multiple Orthogonal Polynomials on the Semicircle and Corresponding Quadratures of Gaussian Type	373
<i>Lj. Nastovski</i>	
Interpolation in the Class M^p , $p > 1$	389
<i>Z. Odibat, A. Alawneh</i>	
Z-function and Solutions of Fractional Differential Equations	397
<i>N. Pandeski</i>	
Extension of a Finite Many Numbers to an Interpolating Sequence and Approximation by Blaschke Products	405
<i>B. Piperevski, E. Hadzieva, N. Serafimova, K. Mitkovska-Trendova</i>	
On a Class of Differential Equations of Second Order with Polynomial Coefficients	411

<i>P. Rajkovic, M. Ivkovic, M. Petkovic</i>	
A Conjecture about Positivity of the Polynomials Obtained by the Expanding of a Product	419
<i>P. Rusev</i>	
Singular Points and Analytic Functions Defined by Series in Legendre Associated Functions	431
<i>K. Saneva, A. Bučkovska</i>	
Asymptotic Behaviour of the Distributional Wavelet Transform at 0	437
<i>T. Sayah, A. Badih</i>	
Effect of Junction on Electromagnetic Waveguide Transmission	443
<i>I.A. Shapkarev, B.M. Piperevski, E.J. Hadzieva</i>	
On Some Special General Integrals of a Linear Differential Equation of Second Order	453
<i>A. Shidfar</i>	
On Inverse Heat Problems with Two Unknown Terms	461
<i>A. Shidfar, G.R. Karamali</i>	
Function Specification Method for Determination of Unknown Term in a Nonlinear Diffusion Equation	467
<i>A. Shidfar, A. Zakeri</i>	
Asymptotic Solution for an Inverse Parabolic Problem	475
<i>Lj. Protic, L. Stefanovska, M. Canak</i>	
On Some Approximate Methods for Solving Vekua Complex Differential Equation	485