

ISSN 1733-6775

Journal of Mathematics and Applications

vol. 28 (2006)



**Department of Mathematics
Rzeszów University of Technology
Rzeszów, Poland**

Journal of Mathematics and Applications

Table of contents

1. **D. Bród, A. Włoch, I. Włoch** : On the existence of $(k, k-1)$ - kernels in directed graphs 7
2. **J. Caballero, B. López, J. Rocha, K. Sadarangani**: On the existence of nondecreasing solutions of an integral equation 13
3. **U. Dudziak**: Development of the mean concept 25
4. **J. Dziok, L. Trojnar-Spelina**: On a class of functions with negative coefficients 41
5. **J. Górnicki, K. Pupka**: Rotative mappings in metric spaces of hyperbolic type 49
6. **R. Habaj**: The construction of the random variable with the geometric distribution 71
7. **H. Irmak, J. Stankiewicz, K. Wilczek**: On multivalently analytic and multivalently meromorphic functions 75
8. **J. Kowalczyk**: Special differential inequalities and their applications in the theory of regular function 85
9. **A. M. Linkov**: On two approaches to asymptotic analysis of subsonic rupture propagation 93
10. **A. Prusińska, A. Tret'yakov**: On existence of solutions to nonlinear equations with degenerate mappings 101
11. **E. Pasha, A. Fatemi**: Intuitionistic fuzzy sets clustering (IFSC) with an application in psychology 113
12. **B. Sobek**: On the generalization of Wright-convexity 121
13. **J. Sokół**: On sufficient condition for starlikeness of certain integral of analytic function 127
14. **M. Startek**: On some properties of vague convergences 131
15. **M. Startek, A. Włoch, I. Włoch**: Fibonacci numbers of trees 137
16. **A. Szynal**: Quasihomographies of the real line II 147
17. **K. Wilczek**: On quasiconformal extensions of a automorphism of the real axis 153
18. **A. Zaslavski**: Existence of solutions in parametric optimization and porosity 161