

## **Contents - Vol 17, Fasc. 1-2**

---

---

*G. Anastassiou*

On Grüss Type Multivariate Integral Inequalities ..... 1

*A. Aziz, N.A. Rather*

Inequalities for the Polar Derivative of  
a Polynomial with Restricted Zeros ..... 15

*N.Kh. Rozov, V.A. Sadovnichii*

Mathematical Model of the Distributed  
Van der Pol Self-oscillator ..... 29

*P. Todorov*

On the de Branges Weight Functions ..... 39

*Y. Q. Yan*

On the Nonsquare Constants of  $L^{(\Phi)}[0, +\infty)$  ..... 49

*Ge Ying*

On  $C$ -Mappings Images of Metric Spaces ..... 55

*A. I. Iliev*

On a Generalization of Chebyshev Method for Simultaneous Extraction  
of All Roots of Polynomials over an Arbitrary Chebyshev System ..... 63

*A. Fabricant, T. Rangelov*

Cauchy Problem for Nonlinear Degenerate  
Parabolic Equation in One Dimension ..... 71

*S. Bagh, B. N. Maghapatra*

On the Upper Bound of a the Number  
of Real Roots of Random Algebraic Equation ..... 95

*V. S. Grozdanov, S. S. Stoilova*

On the  $b$ -adic Diaphony of the Roth net  
and Generalized Zaremba Net ..... 103

*A. Canoğlu, B.P. Allahverdiev*

Selfadjoint and Dissipative Extensions of  
a Symmetric Schrödinger Operator ..... 113

<i>V. I. Ivanov</i>	
Limit Extremal Problems .....	121
<i>L.I. Karandjulov, Y.P. Stoyanova</i>	
Generalized Initial Value Problem for Singularly Perturbed Systems with Impulse Effects .....	133
<i>R. Dodunekova, S. Dodunekov</i>	
<i>t</i> -Good and <i>t</i> -Proper Linear Error Correcting Codes .....	147
<i>I. M. Mikhailov</i>	
Some Groups of Orders 8 and 16 as Galois Groups over $\mathbf{Q}$ .....	155
<i>Ta Ngoc Tri</i>	
The Integral Wavelet Transform in $\mathbf{H}^{s,p}(\mathbf{R}^n)$ and Some Its Inverse Formulae .....	171
<i>J.M. Dimitrova, S.V. Mihovski</i>	
On the Semiprimitivity of Crossed Products .....	179