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**Mathew He**

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**Abstract:** Weighted Faber polynomials  $\{F_n(z; g)\}$  associated with a domain  $E$  and a weight function  $g(z)$  play a very important role in the study of the asymptotic properties of orthogonal polynomials in the complex domain. Here, we present a new determinant representation of  $F_n(z; g)$  which relates the zeros of  $F_n(z; g)$  to the eigenvalues of a certain matrix and study the location and the asymptotic distribution of the zeros of  $F_n(z; g)$  mainly in dependence on the smoothness of the weight function and the boundary of the domain.

**S. Fridli**

MEAN CONVERGENCE OF WALSH-FOURIER SERIES 95-101

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**Tai-Jan Huang and Young-Ye Huang**

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**Z. Govindarajulu**

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**E. Karapinar and G. SH Guseinov**

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**B. Mond and J. Pečarić**

A SIMPLE PROOF OF GENERALIZED INEQUALITIES OF BHAGWAT  
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**Sang Chul Lee and Byung Soo Lee**

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129-135

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**Shih-Sen Chang and Yi-Hai Ma**

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**Abstract:** In this paper, the Knaster-Kuratowski-Mazurkeiwicz technique ( $KKM$  technique, in short) is presented. Using this technique a new alternative theorem and a new coincidence theorem are established. The results obtained in this paper unify and generalize the corresponding results in the recent works [2,10,11,15,16].

**Adrian Constantin**

A RANDOM INTEGRAL EQUATION WITH APPLICATIONS

151-163

**Abstract:** We will investigate the existence, uniqueness and asymptotic behavior of the random solution for the stochastic integral equation

$$x(t; w) = h(t; w) + \int_0^t k(t, s; w) f(s, x(s; w)) ds, \quad t \geq 0.$$

and we give some examples of equations of this form which arise in hereditary mechanics and population growth modeling.

**A. K. Nandakumaran and Raju K. George**

PARTIAL EXACT CONTROLLABILITY OF A LINEAR THERMOELASTIC  
SYSTEM

165-174

**Abstract:** In this article, we prove the partial exact controllability of a one dimensional linear thermoelastic system. We use  $RHUM$  method which is a variation of  $HUM$  method to study the present system.

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