

CONTENTS

Alexander Abian and Paula Kemp

THE GENERALIZED CONTINUUM HYPOTHESIS IMPLIES THE AXIOM OF CHOICE

237-244

Abstract: In this self contained papers we prove in a simple way that the Generalized Continuum Hypothesis implies the Axiom of Choice in the context of ZF set theory.

Vahid Alli And Abdol-Hossein Rezvani

SPECIAL CONFORMAL CONNECTION OF A FINSLER SPACE

245-254

Abstract: The main purpose of the present paper is to investigate the conformal connection with respect to indicatrices as Riemannian space (Yasuda 1984). In section 2 , we study special conformal connections. In section 3 the properties of curvature and torsion tensors of conformal Connection have been studied. In section 4 the connection $ICF \hat{\Gamma}$ induced from $CF \hat{\Gamma}$ according to to the theory of subspace of M_n is obtained.

Akrur Behera

ADAMS COMPLETION FOR THE KAN EXTENSION OF A COHOMOLOGY
THEORY 255-267

Abstract: Using a Serre class of abelian groups, we show that a cohomology theory over the category of based topological spaces and continuous maps arising through Kan extension process from an additive cohomology theory over a smaller subcategory always admits global Adams completion.

Hazem Shaba Behnam And G. S. Srivastava

GROWTH OF ANALYTIC DIRICHLET FUNCTIONS OF TWO COMPLEX
VARIABLES 269-281

Abstract: In this paper, we consider analytic functions represented by Dirichlet series of two complex variables. we have defined their order and type and have obtained their coefficient characterizations.

G. Das And B. K. Ray

DEGREE OF APPROXIMATION OF FUNCTIONS IN H^{wp} CLASSES BY
 $(D_{\gamma,\delta})$ -MEAN OF FOURIER SERIES 283-297

Abstract: The object of the paper is to study the degree of approximation of functions belonging to H_p^w class ($p \geq 1$) by $(D_{\gamma,\delta})$ - transform of their Fourier series, generalizing some known works in the literature.

Sever S. Dragomir and Song WangA NEW INEQUALITY OF OSTROWSKI'S TYPE IN L_p - NORM 299-

304

Abstract: In this paper we prove an inequality of Ostrowski's type in L_p -norm with $p > 1$ and apply it to the estimation of upper error bounds for numerical quadrature rules.

Pentti Haukkanen

BASIC PROPERTIES OF THE BI-UNITARY CONVOLUTION AND THE SEMI-UNITARY CONVOLUTION 305-315

Abstract: The bi-unitary convolution and the semi-convolution, respectively, are defined as

$$(f^{\oplus\oplus}g)(n) = \sum_{\substack{d/n \\ (d, n/d)^{\oplus\oplus}=1}} f(d)g(n/d)$$

$$(f^{\oplus}g)(n) = \sum_{\substack{d/n \\ (d, n/d)^{\oplus}=1}} f(d)g(n/d)$$

where $(m, n)^{\oplus\oplus}$ is the greatest common unitary divisor m and n and where $(m, n)^{\oplus}$ is the greatest unitary of n which is a divisor of m . We survey the basic properties of these convolutions and show, among others, that neither of these convolutions is regular in the sense of Narkiewicz. No such unified treatment has hitherto been made in the literature.

Saeid Jafari and Takashi NoiriSTRONGLY SOBER θ -IRRESOLUTE FUNCTIONS 317-329

Abstract: In this paper, we introduce new strong and weak class of θ -irresolute functions called strongly sober θ -irresolute and sober θ -irresolute functions and investigate some of their fundamental properties.

R. B. Patel

DUALITY IN MULTIOBJECTIVE PROGRAMMING WITH GENERALIZED
CONVEX FUNCTIONS 331-345

Abstract: Egudo derived some duality theorems for multi-objectives nonlinear programs using the concept of efficiency (Pareto optimum) is used to state some duality results under generalized (F,p) -convexity assumptions.

Bhagwat Prasad

ON SEMI-PSEUDO SYMMETRIC AND SEMI-PSEUDO RICCI SYMMETRIC
KENMOTSU MANIFOLD 347-351

Abstract: The object of this paper is to study a type of Kenmotsu manifold called Kenmotsu $(SPS)_n$ - manifold and Kenmotsu $(SPRS)_n$ manifold ($n > 3$).

Geetha S. Rao And R. Saravanan

BEST SIMULTANEOUS COAPPROXIMATION 353-362

Abstract: This paper deals with some fundamental properties of the set of best simultaneous coapproximation. A characterization of best simultaneous coapproximation is established.
