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CONTENTS

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.

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.

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.

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 slow, 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.

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.

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.

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

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

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