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Akrur Behera and Sandhya Rani Mohapatra

CATEGORY OF FRACTIONS AND ACYCLIC SPACES 143-158

Abstract: Given an acyclic space, Dror has given a general procedure for constructing a Postnikov-like tower of acyclic spaces which successively approximate the given space. In this note it is shown that the acyclic tower can be obtained through a general categorical completion process due to Adams. More precisely, it is shown that if S_n denotes the set of all $(n + 1)$ -equivalences in the homotopy category of based CW -complexes which induce isomorphisms in reduced integral homology, then the generalized Adams completion of an acyclic space with respect to S_n is the n -stage of the acyclic tower; it is done in the context of a Serre class of abelian groups.

Ajay K. Sharma, Kuldip Raj and Sunil K. Sharma

PRODUCTS OF MULTIPLICATION COMPOSITION AND
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H^∞ , \mathcal{B} and \mathcal{B}_0 to weighted Bloch spaces.

M. K. Aouf, A. A. Shamandy, A. O. Mostafa and A. K. Wagdy

SOME PROPERTIES FOR CERTAIN SUBCLASSES OF ANALYTIC
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Abstract: In this paper, we study many results for a new class of analytic functions $TD(b, \mu, \gamma, \beta)$ defined by Srivastava and Attiya operator $J_b^\mu(f)(z)$.

Saurabh Porwal and K. K. Dixit

ON A NEW SUBCLASS OF SALAGEAN-TYPE HARMONIC
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Abstract: Making use of Salagean derivative, we have introduced a new subclass of harmonic univalent functions. Coefficient estimates, distortion bounds, extreme points, convolution condition and convex combination for functions belonging to this class are determined. The results obtained for the class reduce to the corresponding several known results are briefly indicated.

S. N. Mishra and Rajendra Pant

SEQUENCES OF φ -CONTRACTIONS AND STABILITY OF FIXED
POINTS 211-223

Abstract: Stability results for a sequence of φ -contractions with a variable domain and using Barbet-Nachi type convergence are obtained. The results obtained herein generalize certain well-known results.

Dinamrico P. Pombo Jr.

BORNOLOGICAL GROUPS

225-258

Abstract: In this paper the notion of a bornological group is introduced and the fundamental constructions in the class of bornological groups are discussed. In particular, the existence of arbitrary projective limits and arbitrary inductive limits of bornological groups is ensured. In the context under consideration, general results concerning projective limits and inductive limits as well as an isomorphism theorem are established.

Ahmad H. A. Bataineh

SOME RESULTS ON DIFFERENCE SEQUENCE SPACES

259-270

Abstract: In this paper, we define the sequence spaces : $c_0(M, \Delta_{(m,u)}, p, q, s)$, $(M, \Delta_{(m,u)}, p, q, s)$ and $l_\infty(M, \Delta_{(m,u)}, p, q, s)$, where for any sequence $x = (x_k)$, $\Delta_{(m,u)}x_k = (\Delta_{(m,u)}x_k)_{k=1}^\infty = (u_k x_k - u_{k+m} x_{k+m})_{k=1}^\infty$. We also examine some inclusion relations between these spaces and discuss some properties and results related to them.

C. J. Mozzochi

A REMARK ON A PAPER OF LUO AND SARNAK

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Abstract: In this paper we correct an error in an important paper of Luo and Sarnak.