CONTENTS

 Abstract: We study ascents and descents of semistar operations
and localizing systems for any extension monoids.

 Abstract: We prove that if G is an abelian p-groups and α is
an ordinal strictly less than ω^2 such that $G/p^\alpha G$ is totally pro-
jective, then G has a nice basis uniquely when $p^\alpha G$ has a nice basis.

 Abstract: In this paper, we review different notions that gen-
eralize graphs and discuss the very nomenclature now existing in
literature and then suggest a strategy by which these notions can
be safely addressed to make discrete mathematics cohesively richer

to be inclusive as well as more accommodative to further enrichment. In this process, we present in the paper some new concepts, results and problems interwoven with its ongoing development.

Abstract: The sequence space BV_σ was introduced and studied by Mursaleen [8]. In this article we extend $BV_\sigma(M, p, r)$ to $BV_\sigma(M, p, r, \triangle)$ and study some of the properties and inclusion relations on this space.

Abstract: We prove some fixed point theorems and property P in G-metric spaces where, compared to others works, the completeness property is replaced with other conditions.

Abstract: In this paper, we prove common fixed point theorems for families of occasionally weakly compatible mappings (shortly, owc maps) in Menger spaces using implicit relation. We also present an application of our results to fuzzy metric spaces. Our results improve, extend and generalize the results of Kumar and Pant [A common fixed point theorem in probabilistic metric space

using implicit relation, Filomat, 22(2) (2008), 43-52], Pant and Chauhan [Common fixed point theorems for semicompatible mappings using implicit relation, Int. J. Math. Anal. (Ruse), 3(28) (2009), 1389-1398], Singh and Jain [Semicompatibility and fixed point theorems in fuzzy metric space using implicit relation, Int. J. Math. & Math. Sci., 2005(16) (2005), 2617-2629] and Aalam et al. [A common fixed point theorem in fuzzy metric space, Bull. Math. Anal. Appl., 2(4) (2010), 76-82].

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Unsteady flow of viscous incompressible fluid
between two parallel porous plates subjected
to injection and suction   307-316

Abstract: An analysis is made of the unsteady flow of viscous incompressible fluid between two horizontally parallel porous plates (distance between plates < width of the plates) subjected to injection and suction. It is investigated here, In the present studies, the flow problem has two solutions and in each, main flow velocity and its average maximum and minimum values depend on time t.

David E. Dobbs

Characterizations of pm-rings and mp-rings using
subdirect products   317-326

Abstract: Let α be a nonzero cardinal number and A a (commutative unital) ring. Then each prime ideal of A is contained in at most α maximal ideals of A if and only if the associated reduced ring of A is a subdirect product of a family $\{B_i \mid i \in I\}$ of integral domains such that each B_i has at most α maximal ideals and, for all minimal prime ideals P of A, there exists $i \in I$ such that $A_P \otimes_A B_i \neq 0$. Taking $\alpha = 1$ gives a characterization of the pm-rings A. Somewhat dual characterizations are given for the

mp-rings A and for a more general class of rings depending on α.

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