CONTENTS

Abstract: The main result of this note extends Yanagi's fixed point theorem for sequences of multivalued maps on a subset of a metrically convex space.

Abstract: We give a unified approach for some fixed point theorems in metric spaces (non-complete, complete, compact) for singlevalued and multivalued mappings.

Abstract: In this note some remarks on a common fixed point theorem to Itoh and Takashashi [3] are offered.

Abstract: The MHD heat transfer in the two dimensional steady laminar boundary layer flow near an asymmetric stagnation point on variably heated wall has been studied. Using the similarity transformations, the equations governing the flow are first reduced to ordinary differential equations which are then solved numerically for various values of Prandtl number Pr, wall temperature parameter n and magnetic interaction parameter N. It is observed that heat transfer rate at the wall, in the case of symmetric flow, increase as Pr or n or N increases. In asymmetric flow the heat transfer rate parameter at the wall $H'(0)$ increases as Pr or n increases while it decreases as magnetic interaction parameter N increases. The study includes the case of $n = 0$ which corresponds to a constant wall temperature.

Abstract: The object of the present paper is to study M-projectively recurrent P-Sasakian manifold have been studied. A necessary and sufficient condition for a hypersurface of a M-projectively recurrent P-Sasakian manifold to be minimal is obtained.

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Abstract: In this note we consider Projection theorem on mixed norm spaces $A^{p.q.\alpha}, 0 < p, q \leq \infty, \alpha > 0$

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Kᴀᴋᴜᴛᴀɴɪ ꜰᴀᴄᴛᴏʀɪᴢᴀʙʟᴇ ᴍᴀᴘꜱ ᴀɴᴅ ʙᴇꜱᴛ ᴀᴘᴘʀᴏxɪᴍᴀᴛɪᴏɴ   139-145

Abstract: Recently several interesting results on this subject have been given which extend and unify earlier results. The main result, of basic importance, is a well-known theorem of Ky Fan given below [5].

Zequing Liu

Fɪxᴇᴅ ᴘᴏɪɴᴛ ᴛʜᴇᴏʀᴇᴍꜱ ꜰᴏʀ ᴅᴇɴꜱɪꜰʏɪɴɢ ᴍᴀᴘꜱ   147-150

Abstract: Two fixed point theorems for densifying maps on bounded complete metric spaces are proved. Our results of Furi and Vignoli.

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Fɪxᴇᴅ ᴘᴏɪɴᴛ ᴛʜᴇᴏʀᴇᴍꜱ ꜰᴏʀ ᴄᴏᴍᴘᴀᴛɪʙʟᴇ ᴍᴀᴘᴘɪɴɢꜱ ᴏꜰ ᴛʏᴘᴇ (P) 151-166

Abstract: In this paper, first, we introduce the concept of compatible mappings of type (P) and compare these mappings with compatible mappings and compatible mappings of type (A) in 2-metric spaces. In the sequel, we derive some relations between these mappings. Secondly, we prove a coincidence point theorem and a fixed point theorem for compatible mappings of type (P) in 2-metric spaces.

Shiho Nakayama

Nᴜᴍʙᴇʀꜱ ᴏꜰ ʀᴇᴘᴇꜱᴇɴᴛᴀᴛɪᴏɴꜱ ᴏꜰ ɪɴᴛᴇɢᴇʀꜱ ʙʏ qᴜᴀᴅʀᴀᴛɪᴄ ꜰᴏʀᴍꜱ ᴏᴠᴇʀ ʀᴇᴀʟ qᴜᴀᴅʀᴀᴛɪᴄ ꜰɪᴇʟᴅꜱ   167-191

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