

**$\alpha\psi$ -KUPKA CONTINUOUS FUNCTIONS AND
 (m, n) - $\alpha\psi$ -COMPACT SPACES**

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Abstract

In this paper, we introduce a new Kupka type function called $\alpha\psi$ -Kupka continuity and investigate some of its properties. Also we obtain several characterizations and some basic properties of $\alpha\psi$ -compact spaces in terms of nets and ultranets. Moreover, we introduce and investigate some fundamental properties of (m, n) - $\alpha\psi$ -compact spaces.

Key Words : $\alpha\psi$ -open sets, $\alpha\psi$ -closed sets, $\alpha\psi$ -Kupka continuity, $\alpha\psi$ -compact spaces, (m, n) - $\alpha\psi$ -compact spaces.

2010 Mathematics Subject Classification : 54B05, 54C08; Secondary: 54D05.

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