

CARPATHIAN J. MATH.  
22 (2006), No. 1 - 2, 21-31

## Weak forms of open and closed functions via semi- $\theta$ -open sets

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**ABSTRACT.** In this paper, we introduce and study two new classes of functions by using the notions of semi- $\theta$ -open sets and semi- $\theta$ -closure operator called weakly semi- $\theta$ -open and weakly semi- $\theta$ -closed functions. The connections between these functions and other existing well-known related functions are investigated.

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