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خلاصه مقاله:

In this paper, we introduce the notion of partial-compatibility of mappings in an ordered partial metric space and use this notion to establish coupled coincidence point theorems for \phi-mixed monotone mappings satisfying a nonlinear contraction condition. Our consequences is an extension of the results of Shatanawi et al. [W. Shatanawi, B. Samet and M. Abbas, \textit{Coupled fixed point theorems for mixed monotone mappings in ordered partial metric spaces}, Math. Comp. Model., ۵۵(۳-۴) (۲۰۱۲), ۶۸۰-۶۸۷]. We also provide an example to illustrate the results presented herein.

کلمات کلیدی:

Coupled coincidence point, Partially ordered set, partial metric space, Mixed monotone property, Compatible mapping