

عنوان مقاله:

"Remarks on "On new orthogonal contractions in b-metric spaces" and "On orthogonal partial b-metric spaces with an application

محل انتشار:

مجله تجزیه و تحلیل ریاضی و کاربردهای معاصر آن، دوره 5، شماره 4 (سال: 1402)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

The results published by O. Yamaod and W. Sintunavarat in [On new orthogonal contractions in b-metric spaces, Intern. J. Pure Math., ۵, ۲۰۱۸, ۳۷-۴۰], and by K. Javed, H. Aydi, F. Uddin and M. Arshad in [On orthogonal partial b-metric spaces with an application, J. Mathematics (Hindawi), ۲۰۲۱, Article ID ۶۶۹۲۰۶۳, ۷ pages] are discussed. First of all, some formulations that are not precise in these papers are commented. Then these results are extended and unified from the case of orthogonal b-metric and orthogonal partial b-metric spaces to the wider framework of orthogonal b-metric-like spaces. Moreover, (some results are generalized by proving that the contraction parameter may belong to the wider set  $[0, 1]$ .

کلمات کلیدی:

Orthogonal space, Fixed point, b-metric-like space

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