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Application of (E. A.) property via rational inequality in Menger spaces. (English)

Zbl 1296.54092

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The authors use the notion of a common property (E.A) introduced in Menger spaces by *J. Ali* et al. [Comput. Math. Appl. 60, No. 12, 3152–3159 (2010; Zbl 1207.54050)] and prove some common fixed point theorems for maps in Menger spaces. The key assumption is described as an inequality with some terms in rational forms; thus the title. The main result is illustrated by one example.

Reviewer: Grzegorz Gabor (Toruń)

MSC:

54H25 Fixed-point and coincidence theorems (topological aspects)

47H10 Fixed-point theorems

Keywords:

Menger space; common fixed point; weakly compatible maps; property (E.A.)

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