## عنوان مقاله:

Convergence of the S-iteration process for the multi-valued generalized (\alpha -\beta)-nonexpansive mappings in Banach spaces

# محل انتشار:

مجله آناليز غير خطى و كاربردها, دوره 14, شماره 1 (سال: 1402)

تعداد صفحات اصل مقاله: 12

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### خلاصه مقاله:

In this work, we first introduce the modified S-iteration method to approximate common fixed points of three multi-valued generalized (\alpha -\beta)nonexpansive mappings in the setting of Banach spaces. Then we prove some convergence theorems for these mappings by using it. Also, a numerical
example is given to illustrate the main results. Furthermore, we introduce a one-step iterative process for generalized (\alpha -\beta)-nonexpansive
mappings and we prove strong convergence results for the one-step iterative process involving such mappings. Thus our results extend and generalise
.corresponding results in the contemporary literature

## كلمات كليدى:

Fixed point, multi-valued generalized ( $\alpha$ - $\beta$ )-nonexpansive mappings, uniformly convex Banach space

لینک ثابت مقاله در پایگاه سیویلیکا:

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