

## عنوان مقاله:

Strong Convergence Theorems for a General Class of Mapping Via Quasi-implicit Iterative Schemes

## محل انتشار:

دو فصلنامه آنالیز ریاضی و بهینه سازی محدب, دوره 2, شماره 2 (سال: 1400)

تعداد صفحات اصل مقاله: 12

## نویسندگان:

Imo Agwu - Michael Okpara University of Agriculture, Umudike, P. M. B. ۷۲۶۷, Abia State, Nigerian

Ikechi Igbokwe - Michael Okpara University of Agriculture, Umudike, P. M. B. ۷۲۶۷, Abia State, Nigerian

## خلاصه مقاله:

In this paper, we introduce a novel iterative scheme called quasi-implicit iterative scheme and study its stability as well as strong convergence for general class of maps in a normed linear space. Further, we proved rate of convergence and gave a numerical example to demonstrate that our iterative scheme is faster than semi-implicit iterative scheme and many more other iterative schemes in this direction.

## کلمات کلیدی:

Strong convergence, Quasi-implicit iterative scheme, Semi-implicit iterative scheme, Stability, Generalized contractive-like operators, fixed point, Real normed space

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1372558>

