

## عنوان مقاله:

Numerical solution of the system of Volterra integral equations of the first kind

## محل انتشار:

مجله بین المللی ریاضیات صنعتی، دوره 6، شماره 1 (سال: 1393)

تعداد صفحات اصل مقاله: 9

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## خلاصه مقاله:

This paper presents a comparison between variational iteration method (VIM) and modified variational iteration method (MVIM) for approximate solution a system of Volterra integral equation of the first kind. We convert a system of Volterra integral equations to a system of Volterra integro-differential equations that use VIM and MVIM to approximate solution of this system and hence obtain an approximation for system of Volterra integral equations. Some examples are given to show the pertinent features of this methods

## کلمات کلیدی:

Volterra integral equation of the first kind, Variational iteration method, Modified variational iteration method

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1887452>

