

## عنوان مقاله:

A novel approach for global optimization in science and engineering

## محل انتشار:

دومین همایش ملی ریاضیات و کاربردهای آن در علوم مهندسی (سال: 1394)

تعداد صفحات اصل مقاله: 10

## نویسنده:

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## خلاصه مقاله:

This paper presents the interior search algorithm (ISA) as a novel method for solving optimization tasks. The proposed ISA is inspired by interior design and decoration. The algorithm is different from other meta heuristic algorithms and provides new insight for global optimization. The proposed method is verified using some benchmark mathematical and engineering problems commonly used in the area of optimization. ISA results are further compared with well-known optimization algorithms. The results show that the ISA is efficiently capable of solving optimization problems. The proposed algorithm can outperform the other well-known algorithms. Further, the proposed algorithm is very simple and it only has one parameter to tune.

## کلمات کلیدی:

Meta heuristic algorithms, interior design, decoration metaphor

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/420754>

