Accepted Manuscript

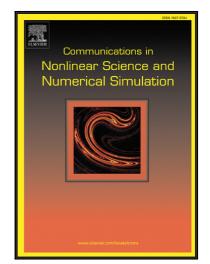
Efficient Fractal-based Mutation in Evolutionary Algorithms from Iterated Function Systems

S. Salcedo-Sanz, A. Aybar-Ruíz, C. Camacho-Gómez, E. Pereira

 PII:
 S1007-5704(17)30291-5

 DOI:
 10.1016/j.cnsns.2017.08.010

 Reference:
 CNSNS 4295



To appear in: Communications in Nonlinear Science and Numerical Simulation

Received date:19 November 2016Accepted date:14 August 2017

Please cite this article as: S. Salcedo-Sanz, A. Aybar-Ruíz, C. Camacho-Gómez, E. Pereira, Efficient Fractal-based Mutation in Evolutionary Algorithms from Iterated Function Systems, *Communications in Nonlinear Science and Numerical Simulation* (2017), doi: 10.1016/j.cnsns.2017.08.010

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We present a new mutation operator for Evolutionary Algorithms based on Iterated Function Systems.
- The mutation operator is constructed from a large set of fractal structures from IFS systems.
- Different continuous benchmark optimization functions have been tackled with this operator.
- A real application of Tuned Mass Damper location and design is tackled with the proposed mutation.

1

دريافت فورى 🛶 متن كامل مقاله

- امکان دانلود نسخه تمام متن مقالات انگلیسی
 امکان دانلود نسخه ترجمه شده مقالات
 پذیرش سفارش ترجمه تخصصی
 امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
 امکان دانلود رایگان ۲ صفحه اول هر مقاله
 امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
 دانلود فوری مقاله پس از پرداخت آنلاین
 پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات
- ISIArticles مرجع مقالات تخصصی ایران