

## **New approach to fractal approximation of vector-functions**

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### **Abstract**

© 2015 Konstantin Igudesman et al. This paper introduces new approach to approximation of continuous vector-functions and vector sequences by fractal interpolation vector-functions which are multidimensional generalization of fractal interpolation functions. Best values of fractal interpolation vector-functions parameters are found. We give schemes of approximation of some sets of data and consider examples of approximation of smooth curves with different conditions.

<http://dx.doi.org/10.1155/2015/278313>

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