

Nonlinear Sciences > Chaotic Dynamics

A procedure to Estimate the Fractal Dimension of Waveforms

Carlos Sevcik

(Submitted on 27 Mar 2010)

A method is described for calculating the approximate fractal dimension from a set of N values y sampled from a waveform between time zero and t . The waveform was subjected to a double linear transformation that maps it into a unit square.

Comments: 19 pages, 5 figures

Subjects: **Chaotic Dynamics (nlin.CD)**

Cite as: **arXiv:1003.5266v1** [nlin.CD]

Submission history

From: Carlos Sevcik [[view email](#)]

[v1] Sat, 27 Mar 2010 04:48:20 GMT (390kb,D)

[Which authors of this paper are endorsers?](#)

Download:

- [PDF](#)
- [Other formats](#)

Current browse context:

nlin.CD

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1003](#)

Change to browse by:

[nlin](#)

References & Citations

- [CiteBase](#)

Bookmark (what is this?)

[CiteULike logo](#)

[Connotea logo](#)

[BibSonomy logo](#)

[Mendeley logo](#)

[Facebook logo](#)

[del.icio.us logo](#)

[Digg logo](#)

[Reddit logo](#)

Link back to: [arXiv](#), [form interface](#), [contact](#).