

Re: Chaos, Measureing correlation dimension from experimental data.

# Re: Chaos, Measureing correlation dimension from experimental data.

---

*Source:* <http://sci.tech-archive.net/Archive/sci.nonlinear/2005-04/msg00007.html>

---

- *From:* Lou Pecora <[pecora@xxxxxxxxxxxxxxxxxxxx](mailto:pecora@xxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 05 Apr 2005 10:31:19 -0400
- 

In article <d2s96h\$2amp\$2@xxxxxxxxxxxxxxxxxxxx>, Pavel Pokorny <[Pavel.Pokorny@xxxxxxxxxxxxxxxxxxxx](mailto:Pavel.Pokorny@xxxxxxxxxxxxxxxxxxxx)> wrote:

- >
- > Having read that
- > I would like to ask:
- > has anyone considered the question of error estimate of the quantities
- > (like Lyapunov exponents, dimension etc.)
- > evaluated from experimental chaotic time series?

Yes, I know Eric Kostelich did some work on that a few years ago. A very tough problem. I'm not sure how far he got. I'm sorry, but I can't point to any references. Maybe a google of his name and Lyapunov or something would help. Or email him.

-- Lou Pecora (my views are my own)

---

• *References:*

- ◆ *Chaos, Measureing correlation dimension from experimental data.*
  - ◇ *From:* Tal Carmon
- ◆ *Re: Chaos, Measureing correlation dimension from experimental data.*
  - ◇ *From:* Lou Pecora
- ◆ *Re: Chaos, Measureing correlation dimension from experimental data.*
  - ◇ *From:* Pavel Pokorny
- Prev by Date: *Re: Chaos, Measureing correlation dimension from experimental data.*
- Next by Date: *CALL FOR PAPERS CIMCA2005 & IAWTIC2005*
- Previous by thread: *Re: Chaos, Measureing correlation dimension from experimental data.*
- Next by thread: *Re: Chaos, Measureing correlation dimension from experimental data.*
- Index(es):
  - ◆ *Date*
  - ◆ *Thread*