



Nonlinear Sciences > Chaotic Dynamics

Resonances within Chaos

Giovanni Gallavotti, Guido Gentile, Alessandro Giuliani

(Submitted on 8 Jun 2011)

A chaotic system under periodic forcing can develop a periodically visited strange attractor. We discuss simple models in which the phenomenon, quite easy to see in numerical simulations, can be completely studied analytically.

Comments: 12 pages, 3 figures

Subjects: **Chaotic Dynamics (nlin.CD)**; Mathematical Physics (math-ph)

Journal reference: Chaos 22, 026108 (2012)

DOI: [10.1063/1.3695370](https://doi.org/10.1063/1.3695370)

Cite as: [arXiv:1106.1476](https://arxiv.org/abs/1106.1476) [nlin.CD]
(or [arXiv:1106.1476v1](https://arxiv.org/abs/1106.1476v1) [nlin.CD] for this version)

Submission history

From: Alessandro Giuliani [[view email](#)]

[v1] Wed, 8 Jun 2011 00:22:57 GMT (14kb)

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

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

Download:

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

Current browse context:

nlin.CD

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

[new](#) | [recent](#) | [1106](#)

Change to browse by:

[math](#)
[math-ph](#)
[nlin](#)

References & Citations

- [NASA ADS](#)

Bookmark (what is this?)

