

Optical chaos based on a laser diode with positive feedback

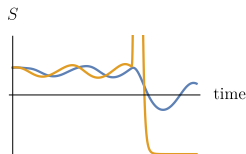
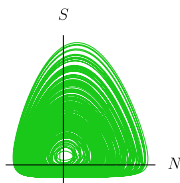
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Definition of dynamic chaos and applications

Map¹ f is **chaotic**, if

- periodic orbits are dense everywhere;
- orbits are mixed;
- f sensitive to the initial conditions.



\Rightarrow ;

¹W. Hirsch, S. Smale, Introduction to Chaos.