

Sparrow, Colin

The Lorenz equations: bifurcations, chaos, and strange attractors. (English) Zbl 0504.58001
Applied Mathematical Sciences, 41. New York - Heidelberg Berlin: Springer-Verlag. XII, 269 p. DM 54.00;
\$ 21.60 (1982).

For a scan of this review see the [web version](#).

MSC:

- 37-02** Research exposition (monographs, survey articles) pertaining to dynamical systems and ergodic theory
- 37G99** Local and nonlocal bifurcation theory for dynamical systems
- 37D45** Strange attractors, chaotic dynamics of systems with hyperbolic behavior
- 37C25** Fixed points and periodic points of dynamical systems; fixed-point index theory; local dynamics

Cited in **8** Reviews
Cited in **414** Documents

Keywords:

Lorenz equations; chaotic differential equations; period doubling; averaged equations; stable symmetric periodic orbit; nonwandering set