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Lorenz attractors with arbitrary expanding dimension. (English. Abridged French version)

Zbl 0896.58043

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The authors construct examples of flows with robust multidimensional Lorenz-like attractors. In these examples, the singularity contained in the attractor may have any number of expanding eigenvalues, and the attractor remains transitive in a neighborhood of the initial flow. Furthermore, each of these attractors supports a unique Sinai-Ruelle-Bowen (SRB) measure. In addition, contrary to the standard (three-dimensional) Lorenz attractor, these attractors have infinite modulus of structural stability.

Reviewer: [William J.Satzer jun.\(St.Paul\)](#)

MSC:

37C70 Attractors and repellers of smooth dynamical systems and their topological structure

Cited in **1** Review
Cited in **26** Documents

Keywords:

Lorenz flow; singular attractors; Sinai-Ruelle-Bowen measure; multidimensional Lorenz attractor

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