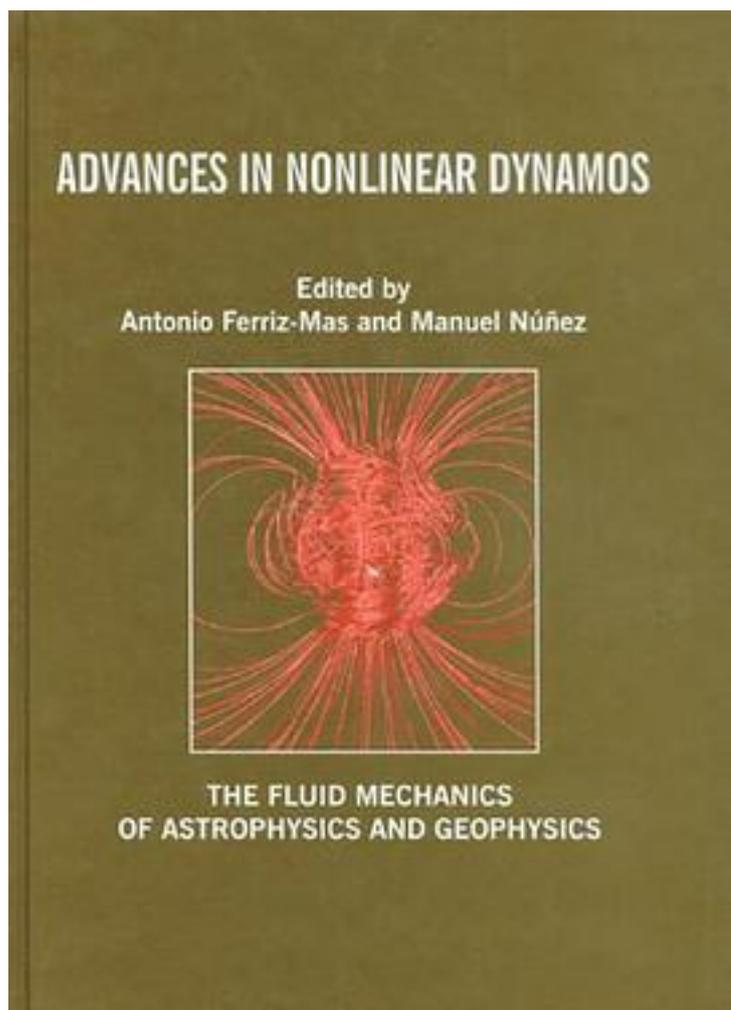


# Advances in Nonlinear Dynamos



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著者:Ferriz-Mas, Antonio/ Nunez, Manuel (EDT)

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Nonlinear dynamo theory is central to understanding the magnetic structures of

planets, stars and galaxies. In chapters contributed by some of the leading scientists in the field, this text explores some of the recent advances in the field. Both kinetic and dynamic approaches to the subject are considered, including fast dynamos, topological methods in dynamo theory, physics of the solar cycle and the fundamentals of mean field dynamo. *Advances in Nonlinear Dynamos* is ideal for graduate students and researchers in theoretical astrophysics and applied mathematics, particularly those interested in cosmic magnetism and related topics, such as turbulence, convection, and more general nonlinear physics.

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