



# Plasma and Fluid Turbulence: Theory and Modelling (Series in Plasma Physics)

*A. Yoshizawa, S.I. Itoh, K. Itoh*

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Theory and modelling with direct numerical simulation and experimental observations are indispensable in the understanding of the evolution of nature, in this case the theory and modelling of plasma and fluid turbulence. Plasma and Fluid Turbulence: Theory and Modelling explains modelling methodologies in depth with regard to turbulence phenomena and turbulent transport both in fluids and plasmas. Special attention is paid to structural formation and transitions.

In this detailed book, the authors examine the underlying ideas describing turbulence, turbulent transport, and structural transitions in plasmas and fluids. By comparing and contrasting turbulence in fluids and plasmas, they demonstrate the basic physical principles common to fluids and plasmas while also highlighting particular differences. The book also discusses the application of these ideas to neutral fluids.

Part I presents a general introduction to turbulence and structural formation in fluids and plasmas, and Part II explains methodologies for fluid turbulence. In Part III, the authors describe the subjects in magnetohydrodynamics, in particular, dynamo problems. The final section, Part IV, considers plasma turbulence and transport.

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This Plasma and Fluid Turbulence: Theory and Modelling (Series in Plasma Physics) is new way for you who has intense curiosity to look for some information mainly because it relief your hunger associated with. Getting deeper you upon it getting knowledge more you know otherwise you who still having little bit of digest in reading this Plasma and Fluid Turbulence: Theory and Modelling (Series in Plasma Physics) can be the light food in your case because the information inside this particular book is easy to get by means of anyone. These books acquire itself in the form and that is reachable by anyone, that's why I mean in the e-book web form. People who think that in e-book form make them feel tired even dizzy this e-book is the answer. So there isn't any in reading a guide especially this one. You can find what you are looking for. It should be here for anyone. So , don't miss that! Just read this e-book sort for your better life and knowledge.

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