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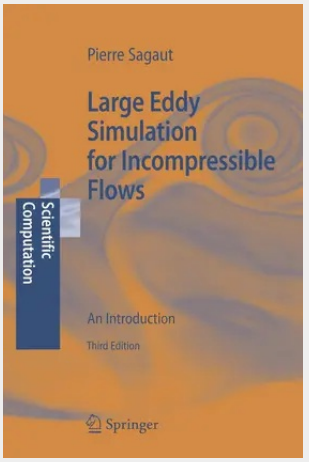
Large Eddy Simulation for Incompressible Flows

An Introduction

From the foreword to the third edition written by Charles Meneveau: "... a most welcome addition to the bookshelves of scientists and engineers in fluid mechanics, LES practitioners, and students of turbulence in general."

The only reference devoted entirely to the subject, **Large Eddy Simulation** presents a comprehensive and unified view of this young but very rich discipline. The coverage focuses on incompressible fluids and thoroughly examines both the mathematical ideas and the practical applications with care. This 3rd edition adds much new material, including careful error analysis of filtered density function models and multiscale models. It also contains two new chapters on the prediction of scalars using LES which are of considerable interest in engineering and geophysical modeling.

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