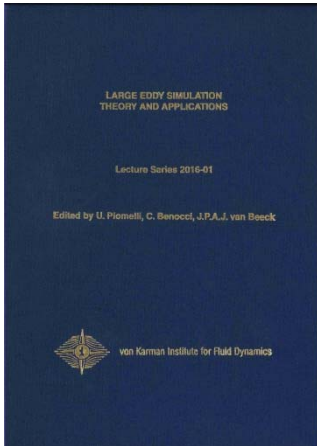


最近の変化と今後の動向を探索する包括的なランドマーク・リファレンス



大型渦シミュレーション 理論と応用

Large Eddy Simulation: Theory and Applications VKI LS 2016-01

Edited by *Piomalli, U; C. Benocci, J.P.A.J von Beeck*
2017年出版 1st ed, ca.400 頁 U270 ¥55,360.

▶ von Karman Institute for Fluid Dynamics の講演シリーズの目的は、乱流の大規模渦シミュレーション (LES) の現在の発展と可能性の完全な概要を提供することです。

本書の内容

The purpose of this Lecture Series proceedings is to offer a full overview of the present development and the potential of the Large Eddy Simulation (LES) of turbulent flows. The first part of the course notes introduce and discuss fundamental principles and state-of-the-art applications. The specific numerical problems related to the implementation of LES are presented. The second part deals with applications of these approaches to various engineering fields of wide interest.

Subsequently, the course notes discuss the possible developments of LES and Detached Eddy Simulation (DES) which represents the most promising technique to extend the usefulness of LES for high Reynolds-number flows.

The course notes are written by internationally recognized experts. Its content is addressed both to researchers interested in the fundamental simulation of turbulence and engineers wanting to apply the LES technique or LES solvers to the accurate simulations of turbulent flows.

The Lecture Series directors are U. Piomelli from Queen's University, Canada, C. Benocci and J.P.A.J. von Beeck from the von Karman Institute

◆ PIOMELLI, U. - Queen's University, Canada

Large-eddy simulation of turbulent flows

Part 1: Introduction

◆ SAGAUT, P. - Aix Marseille Université, CNRS, France

Numerical implementation of large-eddy simulation

◆ DE TULLIO, M.D.1, VERZICCO, R.2, IACCARINO, G.3 - 1Politecnico di Bari; 2Università di Roma "Tor Vergata", Italy; 3Center for Turbulence Research, Stanford University, USA

Immersed boundary technique for large-eddy simulation

◆ BALARAS, E. - The George Washington University, USA

Applications of large-eddy and direct simulation to biological flows

◆ PORTÉ-AGEL, F.; WU, Y.-T.; LU, H.; ABKAR, M. - Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland

Application of large-eddy simulation to atmospheric flows

◆ SQUIRES, K. D. - Arizona State University, USA

Detached-eddy simulation of turbulent flows

(von Karman Institute) ISBN: 978-2-87516-105-5



ご注文・お問い合わせは下記へお申し込み下さい。

有限会社 **ブックマン**

〒113-0033

東京都文京区本郷3丁目4-8-501

Tel 03-5684-0561 Fax 03-5684-0562

E-Mail: sales@e-bookman.co.jp

ホームページ: <http://e-bookman.co.jp/>

(有)ブックマン

関西・中部東海統括事務所

Tel 052-740-1829

Fax 052-782-4771

chubu@e-bookman.co.jp

kansai@e-bookman.co.jp

広島海外(株)

Tel 082-236-3522

Fax 082-236-3530

books@dear.ne.jp

福岡海外(株)

Tel 092-741-2685

Fax 092-741-8418

fkaigai@lime.ocn.ne.jp