


[DOWNLOAD](#)


Tomographic and Holographic Investigation of Dissipation Elements

By Lisa Schäfer

Shaker Verlag Aug 2012, 2012. Buch. Book Condition: Neu. Neuware - This doctoral thesis evolved in the frame of the joint proposal 'Geometrical Structure of Small-Scale Turbulence'. The central subject of this proposal is the analysis of turbulent fields by so-called 'dissipation elements' as introduced by Wang & Peters (JFM, 2006). This novel method determines the local minimum and maximum points of a fluctuating scalar field via gradient trajectories starting from every grid point in the direction of the steepest ascending and descending scalar gradients. Relying on gradient trajectories, a dissipation element is defined as the region of all the grid points the trajectories of which share the same pair of maximum and minimum points. Since these elements are space-filling, characteristics of the entire turbulent field can be derived from dissipation element related statistics. The procedure has also been successfully applied to various DNS fields, i.a., using the fluctuations of the three velocity components and the kinetic energy as scalar fields (Wang & Peters, JFM, 2008). According to the joint proposal, this thesis discusses the experimental validation of the statistical properties of dissipation elements derived from DNS, comprising the identification and development of an adequate three-dimensional, three-component measurement technique. Subject..



[READ ONLINE](#)
[1.47 MB]

Reviews

I actually started looking over this publication. It really is rally interesting throug studying period. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dana Hintz

Good electronic book and valuable one. It really is basic but unexpected situations in the 50 percent in the pdf. You wont really feel monotony at at any moment of your time (that's what catalogues are for concerning when you ask me).

-- Elisa Reinger

You May Also Like



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



The Java Tutorial (3rd Edition)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book stands above the rest because it has..."



Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and users are hungry for breakthrough solutions to...



Have You Locked the Castle Gate?

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal your information, or plant a virus Have...



Hands Free Mama: A Guide to Putting Down the Phone, Burning the To-Do List, and Letting Go of Perfection to Grasp What Really Matters!

ZONDERVAN, United States, 2014. Paperback. Book Condition: New. 211 x 137 mm. Language: English . Brand New Book. Rachel Macy Stafford s post The Day I Stopped Saying Hurry Up was a true phenomenon on The Huffington Post, igniting countless conversations online...



After

Simon & Schuster. Paperback. Book Condition: new. BRAND NEW, After, Anna Todd, Anna Todd's Afterfan fiction racked up 1 billion reads online and captivated readers across the globe. Experience the Internet's most talked-about book, now newly revised and expanded, for yourself! There...