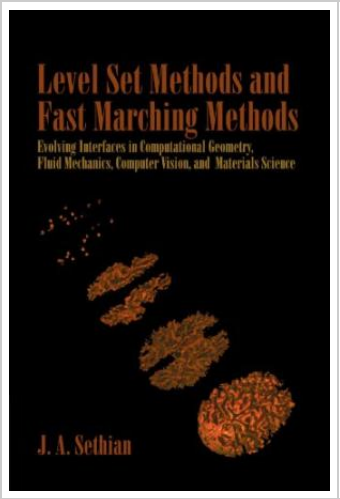

Level Set Methods and Fast Marching Methods: Evolving Interfaces in Computational Geometry, Fluid Mechanics, Computer Vision, and Materials Science

By J. A. Sethian

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2009. Paperback. Book Condition: New. 2nd Revised edition. 226 x 140 mm. Language: English Brand New Book ***** Print on Demand *****.This new edition of Professor Sethian s successful text provides an introduction to level set methods and fast marching methods, which are powerful numerical techniques for analyzing and computing interface motion in a host of settings. They rely on a fundamental shift in how one views moving boundaries; rethinking the natural geometric Lagrangian perspective and exchanging it for an Eulerian, initial value partial differential equation perspective. For this edition, the collection of applications provided in the text has been expanded, including examples from physics, chemistry, fluid mechanics, combustion, image processing, material science, fabrication of microelectronic components, computer vision, computer-aided design, and optimal control theory. This book will be a useful resource for mathematicians, applied scientists, practising engineers, computer graphic artists, and anyone interested in the evolution of boundaries and interfaces.

Reviews

An exceptional pdf as well as the font employed was intriguing to read through. This is certainly for all who statte there was not a worthy of reading through. I am just delighted to inform you that here is the very best publication i actually have go through inside my very own existence and might be he finest pdf for actually.

-- ***Saige Lang***

This publication could be worth a read through, and far better than other. This is certainly for all those who statte there was not a worth reading through. You may like just how the author compose this publication.

-- ***Dr. Kayley Kovacek PhD***