



Large Amplitude Liquid Dynamics [Paperback]

By YUE BAO ZENG

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback Pages Number: 255 Language: Simplified Chinese. Publisher: Science Press; 1 (2011 October 1. day). Large Amplitude Liquid Dynamics detail based on the free surface of the finite element method. any Rugby Long Day - Eulerian (arbitray Lagrange-Euler. ALE) tracking technology. using the Galerkin method is derived in detail the ALE step-by-step system control equation of the finite element method and finite element discretization equation. View of the important applications of liquid sloshing dynamics in the field of spacecraft dynamics. the liquid substantially shaking Dynamics conducted in-depth research in the microgravity environment of liquid sloshing problem substantially. with the modern theory of differential geometry to the establishment of freedom in the complex boundary conditions surface tracking problem description. 2D and 3D numerical simulation examples and theoretical analysis reveals the important nonlinear characteristics of liquid substantially sway dynamics. with two-dimensional substantially shaking the computer simulation program. Substantially liquid sloshing dynamics by the author. has long been engaged in this field of research and scientific research the concise made the commitment to the project of National Natural Science Foundation; a complete...



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