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Titolo	Vortex dominated flows [[electronic resource]] : a volume celebrating Lu Ting's 80th birthday / / edited by Denis Blackmore, Egon Krause, Chee Tung
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Altri autori (Persone)	TingL <1925-> (Lu) BlackmoreDenis L KrauseE <1933-> (Egon) TungC <1936-> (Chee)
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Nota di contenuto	Contents; Preface; Foreword by Joeseph B . Keller; 1 . Circular Discrepancy and a Monte Carlo Algorithm for Generating a Low Circular Discrepancy Sequence; 2 . Periodic and Quasiperiodic Motion of Point Vortices; 3 . Experiments on Heave/Pitch Limit-Cycle Oscillations of a Supercritical Airfoil Close to the Transonic Dip; 4 . Vortices in Superconductors; 5 . Accurate Numerical Simulation of Three-dimensional Lid-driven Cavity Flows with Different Span Lengths; 6 . Geometric, Stochastic and Algebraic Vortices 7 . Experimental Investigation & Numerical Simulation of Oblique Shock/Vortex Interaction8 . Breakdown of Slender Vortices: The State of the Art; 9 . A Numerical Analysis of Vortex Dislocation in Wake-type Flow with Different Spanwise Nonuniformity; 10 . Vortex Dipole Coordinates on the Sphere; 11 . Magneto-Fluid-Dynamic Flow Control; 12 . Interaction between Longitudinal Vortices and Normal and Oblique Shocks; 13 . Analysis of Rotor Vortex Wake Structure Using 3-C PIV Measurements; 14 . Typical Vortex Phenomena in Flow Fields Past

	Space Vehicles
Sommario/riassunto	Honoring the contributions of one of the field's leading experts, Lu Ting, this indispensable volume contains important new results at the cutting edge of research. A wide variety of significant new analytical and numerical results in critical areas are presented, including point vortex dynamics, superconductor vortices, cavity flows, vortex breakdown, shock/vortex interaction, wake flows, magneto-hydrodynamics, rotary wake flows, and hypersonic vortex phenomena. The book will be invaluable for those interested in the state of the art of vortex dominated flows, both from a theoretical and appl