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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Offset Bipolar Pulses in Magnetospheric Plasma Systems -- Forced KdV Equation in Degenerate Relativistic Quantum Plasma -- Heliospheric Two Stream Instability with Degenerate Electron Plasma -- Bifurcation of Nucleus-Acoustic Superperiodic and Supersolitary Waves in a Quantum Plasma -- Effect of q Parameter and Critical Beam Radius on Propagation Dynamics of q Gaussian Beam in Cold Quantum Plasma -- Study of Quantum-Electron Acoustic Solitary Structures in Fermi Plasma with Two Temperature Electrons.
Sommario/riassunto	This book covers recent trends and applications of nonlinear dynamics in various branches of society, science, and engineering. The selected

peer-reviewed contributions were presented at the International Conference on Nonlinear Dynamics and Applications (ICNDA 2022) at Sikkim Manipal Institute of Technology (SMIT) and cover a broad swath of topics ranging from chaos theory and fractals to quantum systems and the dynamics of the COVID-19 pandemic. Organized by the SMIT Department of Mathematics, this international conference offers an interdisciplinary stage for scientists, researchers, and inventors to present and discuss the latest innovations and trends in all possible areas of nonlinear dynamics.

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