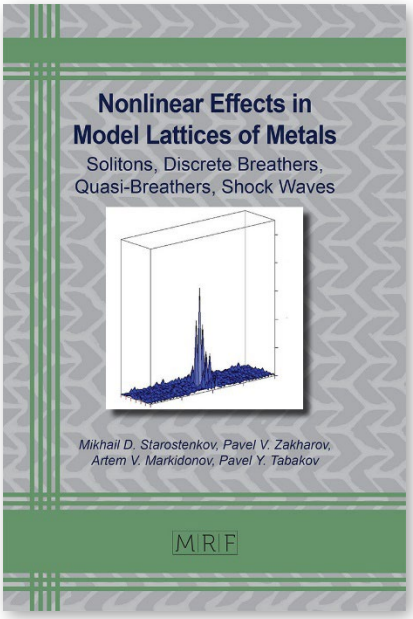
eBook Information

Materials Research
Solid State Physics and Engineering

Nonlinear Effects in Model Lattices of Metals

Solitons, Discrete Breathers, Quasi-Breathers, Shock Waves

Mikhail D. Starostenkov, Pavel V. Zakharov, Artem V. Markidonov, Pavel Y. Tabakov



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The book presents an overview of nonlinear effects arising in discrete lattices of metals.

Keyword: Soliton, Discrete Breathers, Quasi-Breathers, Shock Waves, Supersonic Waves, Molecular Dynamics, Self-Organization, Nonlinearity, Dislocation Extraction Algorithm, Frenkel Pairs, Stacking Fault Tetrahedra

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Summary:

The book presents an overview of nonlinear effects arising in discrete lattices of metals. Topics covered include discrete breathers, quasi-breathers, soliton waves, and shock waves.

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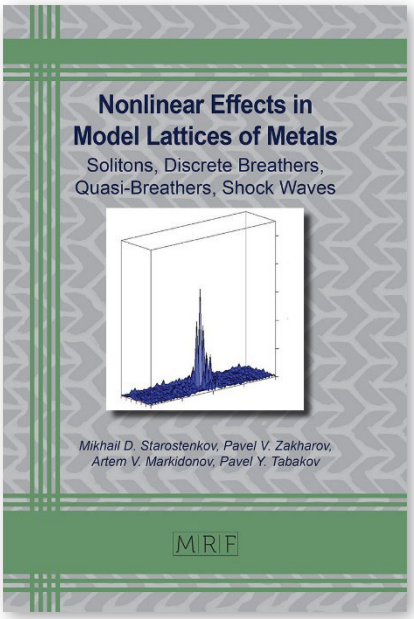

Monograph / color print, paperback

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