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Sommario/riassunto

This monograph studies optimization problems for rigid punches in elastic media and for high-speed penetration of rigid strikers into deformed elastoplastic, concrete, and composite media using variational calculations, tools from functional analysis, and stochastic and min-max (guaranteed) optimization approaches with incomplete data. The book presents analytical and numerical results developed by the authors during the last ten years.

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Part II: High-speed penetration into deformable medium

- Optimization of impactor shape
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- Optimization of truncated rotating strikers
- Penetration into solid medium under strength constraints
- Some problems of global multipurpose structural optimization
- Analytical and numerical estimations of optimal parameters of layered slab
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- Basic ideas of multicriteria optimization
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Disciplina	025
Soggetti	Environmental sciences - Information services Environmental Management & Protection Umweltschutz Zeitschrift Online-Ressource Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed Title from title screen of WWW version (publisher's Web site, viewed Aug. 12, 2004).
Sommario/riassunto	A professional refereed publication devoted to disseminating information concerning sources on international environmental topics including: assessment, conservation, development, disposal, education, hazards, pollution, resources, technology, and treatment.