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Titolo	Le figure speciali / a cura di Salvatore Patti e Letizia Vacca
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Altri autori (Persone)	Patti, Salvatore Vacca, Letizia
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2. Record Nr.	UNINA9910254230703321
Autore	Awang Mokhtar
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Nota di bibliografia

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Nota di contenuto

Introduction -- Nanotube structures -- Modeling process for carbon structures -- Mechanical behavior of carbon structures.

Sommario/riassunto

This book presents a new approach to modeling carbon structures such as graphene and carbon nanotubes using finite element methods, and addresses the latest advances in numerical studies for these materials. Based on the available findings, the book develops an effective finite element approach for modeling the structure and the deformation of grapheme-based materials. Further, modeling processing for single-walled and multi-walled carbon nanotubes is demonstrated in detail.