

Mechanics of soft materials

Volokh, Konstantin, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=9999920522032&lokasi=lokal>

Abstrak

This book provides a concise introduction to soft matter modelling, together with an up-to-date review of the continuum mechanical description of soft and biological materials, from the basics to the latest scientific materials. It also includes multi-physics descriptions, such as chemo-, thermo-, and electro-mechanical coupling.

The new edition includes a new chapter on fractures as well as numerous corrections, clarifications and new solutions. Based on a graduate course taught for the past few years at Technion, it presents original explanations for a number of standard materials, and features detailed examples to complement all topics discussed.