



Springer

1st  
edition1st ed. 2018, XIII, 235 p.  
225 illus., 130 illus. in color.**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-3-319-72934-3

\$ 99,99

Available

**Discount group**

Professional Books (2)

**Product category**

Graduate/advanced undergraduate textbook

**Series**

Structural Integrity

**Other renditions**

Softcover

ISBN 978-3-030-10288-3

**Engineering : Solid Mechanics**

Cueto, Elías, González, David

# An Introduction to Structural Mechanics for Architects

- Presents a completely new and intuitive approach to structural mechanics in architecture
- Includes Problems and Solutions
- Especially well suited for architects, who often see structural mechanics as an awful collection of nonsense formulas with no practical interest
- Analyzes each structural typology with the help of color illustrations of master buildings
- Provides intuitive descriptions with the help of state-of-the-art theories

This textbook offers an introductory course to structural mechanics for architects, including problems and solutions. It follows a completely different approach to structural mechanics than the usual books for engineering schools, making it much more attractive for architecture students and practitioners. It also offers a different point of view for engineering students, as it provides them with a more intuitive understanding of structural mechanics and the models therein. Instead of studying the classical theory of linear elasticity and then particularizing it to simple structures, this book analyzes structures in a historic and also typological order. The book starts with cable structures and stone arches, followed by trusses and, finally, frame structures made of beams. For every typology, the latest, state-of-the-art theory in the field is introduced in a very didactic way.

**Order online at [springer.com/booksellers](https://www.springer.com/booksellers)****Springer Nature Customer Service Center LLC**

233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

[customerservice@springernature.com](mailto:customerservice@springernature.com)

ISBN 978-3-319-72934-3 / BIC: TGMD / SPRINGER NATURE: SCT15010

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**