



## **Professor Raymond Jefferson Roark (1890 – 1966)**

See:

<http://www.worldcat.org/identities/lccn-n87-840891>

### **Roark's Formulas for Stress and Strain**

Publisher: McGraw-Hill Professional | ISBN: 007072542X | edition 2001 | PDF | 855 pages | 11,2 mb

Solutions-based approach to quick calculations in structural element design and analysis

Now updated with 30% new material, Roark Formulas for Stress and Strain, Seventh Edition, is the ultimate resource for designers, engineers, and analysts who need to calculate loads and stress. This landmark reference from Warren Young and Richard Budynas provides you with equations and diagrams of structural properties in an easy-to-use, thumb-through format. Updated, with a user-friendly page layout, this new edition includes expanded coverage of joints, bearing and shear stress, experimental stress analysis, and stress concentrations, as well as material behavior coverage and stress and strain measurement. You'll also find expanded tables and cases; improved notations and figures in the tables; consistent table and equation numbering; and verification of correction factors.

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**Other Roark Works:** 15 works in 69 publications in 2 languages and 3,463 library holdings

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**Most widely held works by Raymond J Roark:**

**Formulas for stress and strain by Raymond J Roark ( Book )**

**42 editions published between 1938 and 2002 in English and Chinese and held by 1,630 libraries worldwide**

All examples in Part III: Formulas and examples, over 75 in total, have been made interactive using Mathcad. Each example is available in US customary and metric units. Examples cover straight and curved beams, plates and shells.

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