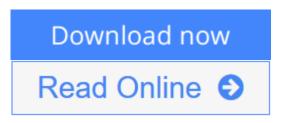# Theory of Elasticity and Thermal Stresses: Explanations, Problems and Solutions (Solid Mechanics and Its Applications)

By M. Reza Eslami, Richard B. Hetnarski, Józef Ignaczak, Naotake Noda, Naobumi Sumi, Yoshinobu Tanigawa

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This book contains the elements of the theory and the problems of Elasticity and Thermal Stresses with full solutions. The emphasis is placed on problems and solutions and the book consists of four parts: one part is on The Mathematical Theory of Elasticity, two parts are on Thermal Stresses and one part is on Numerical Methods.

The book is addressed to higher level undergraduate students, graduate students and engineers and it is an indispensable companion to all who study any of the books published earlier by the authors. This book links the three previously published books by the authors into one comprehensive entity.

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Editorial Review

Review

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"This book is a combination of three separate books published by the authors … . The book contains lot of problems together with extensive solutions. The book will be useful to students, scientists, engineers and researchers working in the field of elasticity. The reviewer found mathematical rigor in the solutions and derivations." (Girish Kumar Ramaiah, zbMATH, Vol. 1282, 2014)

"The authors of this book have succeeded most admirably in creating a truly outstanding book covering the classical through up-to-date theories of elasticity, thermoelasticity, and thermal stresses. The clearly presented formulations, supported by a very large number of important and practical problems, solutions and explanations, make the book of great value as a textbook for graduate students, as well as a valuable reference for researchers and practicing engineers in the field." (Theodore R. Tauchert, Journal of Thermal Stresses, Vol. 36 (12), 2013)

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