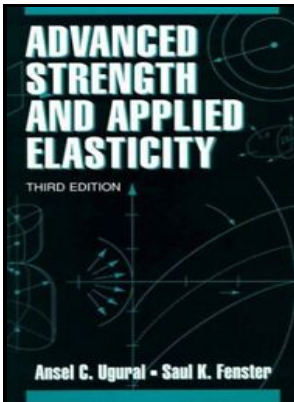


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Notes: Includes bibliographical references (p. 369) and index.

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Variation of Stress within a Body. A printed copy of the text has published by Taylor and Francis and is available from. It is hoped that we have maintained clarity of presentation, simplicity as the subject permits, unpretentious depth, an effort to encourage intuitive understanding, and a shunning of the irrelevant.

3.1 Theory of Elasticity

Additionally, the change in length is proportional to the original length L_0 and inversely proportional to the cross-sectional area of the wire or rod. For length reasons, and to minimize cost, the print version does not include the problem sets. Take a slice orthogonal to the x -direction and define a small area on this slice as.

Advanced Mechanics of Materials and Applied Elasticity by Anthony E. Armenakas

As his text progresses, the author uses Cartesian tensors to develop the theory of thermoelasticity, the theory of generalised plane stress, and complex variable analysis.

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