



# Theory of Viscoelasticity: An Introduction

*R Christensen*

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## **Theory of Viscoelasticity: An Introduction** R Christensen

Theory of Viscoelasticity: An Introduction, Second Edition discusses the integral form of stress strain constitutive relations. The book presents the formulation of the boundary value problem and demonstrates the separation of variables condition.

The text describes the mathematical framework to predict material behavior. It discusses the problems to which integral transform methods do not apply. Another topic of interest is the thermoviscoelastic stress analysis. The section that follows describes the heat conduction, glass transition criterion, viscoelastic Rayleigh waves, optimal strain history path, and nonlinear behavior of elastomers.

The book will provide valuable insights for chemists, engineers, students, and researchers in the field of chemistry.



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