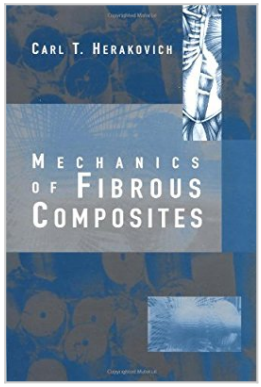

Mechanics of Fibrous Composites

By Carl T. Herakovich

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Comprehensive coverage of micro and macro mechanics of composite materials.
* Case studies on designing composite materials and laminates.
* Uses both SI and U.S. Customary units throughout.
* This is the only book that covers laminated tubes and damage mechanics and the only one that presents an extensive array of actual experimental results for the nonlinear, inelastic response of polymeric and metallic matrix composites.

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Editorial Review

From the Publisher
A comprehensive look at the fundamental principles of the mechanics of composites. This book includes an extensive array of results demonstrating the wide range of possibilities for mechanical and thermal properties of fibrous composites. It includes an introductory chapter on the properties and advantages of fibrous composites and discusses two-dimensional and three-dimensional constitutive equations, lamination theory, test methods, response of polymer matrix and metal matrix composites, interlaminar stresses, failure and damage, laminated tubes, laminated plates and micromechanics.

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