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Topics covered include: current and potential applications of composite materials, fibers, matrices, manufacturing methods for composites, anisotropic elasticity, micromechanics for determining mechanical properties of composite materials, classical laminated plate theory, failure and strength analysis of composite materials, and other advanced topics related to mechanics of composite materials.

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About the Book MECHANICS OF COMPOSITE MATERIALS

Professor Kaw's main scholarly interests are in engineering education research, open courseware development, bascule bridge design, fracture mechanics, composite materials, computational nanomechanics, and the state and future of higher education.

Mechanics of Composite Materials - College of Engineering

\* Book Engineering Mechanics Of Composite Materials \* Uploaded By Anne Golon, engineering mechanics of composite materials 2 e analyzes the behavior and properties of composite materials rigid high strength lightweight components that can be used in infrastructure aircraft automobiles biomedical products and a myriad of

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Engineering Mechanics of Composite Materials by Isaac M. Daniel (1994-12-29) 4.5 out of 5 stars 4. Hardcover. \$584.00. Mechanics Of Composite Materials (Materials Science & Engineering Series) Robert M. Jones. 4.1 out of 5 stars 23. Hardcover. \$124.99.

Engineering Mechanics of Composite Materials: Ori Ishai ...

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The book Engineering Mechanics of Composite Materials by Isaac M. Daniel and Ori Ishai is probably one of the best introduction books for composite analysis. I own several books in composites and so far this is the book I believe is most intuitive. I used this book as undergraduate and I continue to use it today.

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J. Aboudi, Mechanics of Composite Materials, Elsevier, Amsterdam, 1991 zbMATH Google Scholar M. Axelsen and R. Pyrz, in Proceedings of the IUTAM Symposium on Microstructure Property Interactions in Composite Materials , ed. R. Pyrz, Kluwer, The Netherlands, 1995, pp. 15–26 Google Scholar

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