



# Continuum Mechanics

By D. S. Chandrasekharaiyah, Lokenath Debnath

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## Key Features

- \* Provides a clear and self-contained treatment of vectors, matrices, and tensors specifically tailored to the needs of continuum mechanics
- \* Develops the concepts and principles common to all areas in solid and fluid mechanics with a common notation and terminology
- \* Covers the fundamentals of elasticity theory and fluid mechanics

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### Editorial Review

#### About the Author

Lokenath Debnath is Professor of the Department of Mathematics and Professor of Mechanical and Aerospace Engineering at the University of Central Florida in Orlando. He received his M.Sc. and Ph.D. degrees in pure mathematics from the University of Calcutta, and obtained D.I.C. and Ph.D. degrees in applied mathematics from the Imperial College of Science and Technology, University of London. He was a Senior Research Fellow at the University of Cambridge and has had visiting appointments to several universities in the United States and abroad. His many honors and awards include two Senior Fulbright Fellowships and an NSF Scientist award to visit India for lectures and research. Dr. Debnath is author or co-author of several books and research papers in pure and applied mathematics, and serves on several editorial boards for scientific journals. He is the current and founding Managing Editor of the *International Journal of Mathematics and Mathematical Sciences*.

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