



# Fields, Flows and Waves: An Introduction to Continuum Models

By D F Parker

Springer London Ltd, United Kingdom, 2003. Paperback. Book Condition: New. 2003.. 234 x 181 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book serves as an introduction to the use of mathematics in describing collective phenomena in physics and biology. Derived from a course of innovative lectures, the book shows students early in their studies how many of the topics they have encountered - partial differential equations, differential equations, Fourier series, and linear algebra - are useful in constructing, analysing and interpreting phenomena present in the real world. Throughout, ideas are developed using worked examples and exercises with solution. The text does not assume a strong background in physics.

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