



# Mathematics for the Physical Sciences

By James B. Seaborn

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**Mathematics for the Physical Sciences** By James B. Seaborn

The book provides a bridge from courses in general physics to the intermediate-level courses in classical mechanics, electrodynamics and quantum mechanics. The author bases the mathematical discussions on specific physical problems to provide a basis for developing mathematical intuition.

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## **Mathematics for the Physical Sciences By James B. Seaborn Bibliography**

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## **Editorial Review**

Review

From the reviews:

The book is written nicely and can be very helpful for the students of physics who need mathematical background tailored especially for their needs.

--Zentralblatt Math

"Here is a bridge from courses in general physics to the intermediate-level courses in classical mechanics, electrodynamics and quantum mechanics. The author bases the mathematical discussions on specific physical problems to provide a basis for developing mathematical intuition. The text concludes with a brief discussion of variational methods and the Euler-Lagrange equation." (Meteorology and Atmospheric Physics, Vol. 84 (1-2), 2003)

"The purpose of this textbook is to collect under a single cover mathematics required for mastering intermediate-level courses in classical mechanics, electricity and magnetism, and quantum mechanics. ... A set of exercises is provided for each chapter giving the student an excellent opportunity to apply mathematical apparatus for the study of physical systems. ... The book is written nicely and can be very helpful for the students of physics who need mathematical background tailored especially for their needs." (Yuri V. Rogovchenko, Zentralblatt MATH, Vol. 986, 2002)

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