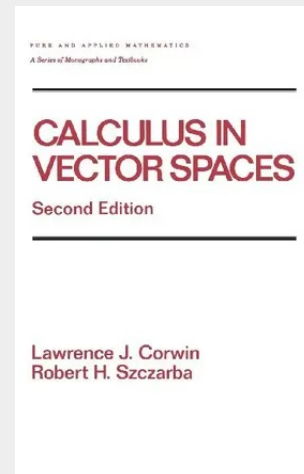


Calculus in Vector Spaces, Revised Expanded

Calculus in Vector Spaces addresses linear algebra from the basics to the spectral theorem and examines a range of topics in multivariable calculus. This second edition introduces, among other topics, the derivative as a linear transformation, presents linear algebra in a concrete context based on complementary ideas in calculus, and explains differential forms on Euclidean space, allowing for Green's theorem, Gauss's theorem, and Stokes's theorem to be understood in a natural setting. Mathematical analysts, algebraists, engineers, physicists, and students taking advanced calculus and linear algebra courses should find this book useful.

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*Lieferfrist: bis zu 10 Tage***Artikelnummer:** 9780824792794**Medium:** Buch**ISBN:** 978-0-8247-9279-4**Verlag:** Routledge**Erscheinungstermin:** 08.12.1994**Sprache(n):** Englisch**Auflage:** 2. Auflage 1994**Serie:** Chapman & Hall/CRC Pure and Applied Mathematics**Produktform:** Gebunden**Gewicht:** 1119 g**Seiten:** 604**Format (B x H):** 157 x 235 mm