

Vector Calculus, Linear Algebra, and Differential Forms: A Unified Approach

By John Hubbard and Barbara Burke Hubbard



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Innovative textbook provides an integrated approach to vector calculus and linear algebra. Differential forms are covered in a way accessible to college freshmen, and electromagnetism is discussed using forms. Additions to the 5th edition include two examples of "big data": the Google PageRank algorithm (using the Perron-Frobenius theorem), and how computers can recognize faces (using the singular value decomposition).



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