

## Edition 8 Applied Calculus

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Building upon the sequence of topics of the popular 5th edition, *Linear Algebra with Applications*, alternate seventh edition, provides instructors with an alternative presentation of course material. In this edition, earlier chapters cover systems of linear equations, matrices, and determinants. The vector space  $\mathbb{R}^n$  is introduced in Chapter 4, leading directly into general vector spaces and linear transformations. This order of topics is ideal for those preparing to use linear equations and matrices in their own fields. New exercises and modern real-world applications allow students to test themselves on relevant key material, and a MATLAB manual included as an appendix provides 29 sections of computational problems.

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