



Introduction to Differential Geometry for Engineers (Paperback)

By Brian F. Doolin, Clyde F. Martin

Dover Publications Inc., United States, 2012. Paperback. Condition: New. Language: English . Brand New Book. This outstanding guide supplies important mathematical tools for diverse engineering applications, offering engineers the basic concepts and terminology of modern global differential geometry. Suitable for independent study as well as a supplementary text for advanced undergraduate and graduate courses, this volume also constitutes a valuable reference for control, systems, aeronautical, electrical, and mechanical engineers. The treatment s ideas are applied mainly as an introduction to the Lie theory of differential equations and to examine the role of Grassmannians in control systems analysis. Additional topics include the fundamental notions of manifolds, tangent spaces, vector fields, exterior algebra, and Lie algebras. An appendix reviews concepts related to vector calculus, including open and closed sets, compactness, continuity, and derivative.

DOWNLOAD

READ ONLINE
[8.78 MB]

Reviews

- Absolutely essential study publication. It usually fails to expense an excessive amount of. Your lifestyle period will probably be transform when you full looking at this publication.

-- Ms. Allene Conroy
- This ebook will be worth acquiring. It is actually writter in basic phrases instead of hard to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Trystan Yundt