Differential Forms

著者:Steven H. Weintraub

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This text is one of the first to treat vector calculus using differential forms in place of vector fields and other outdated techniques. Geared towards students taking courses in multivariable calculus, this innovative book aims to make the subject more readily understandable. Differential forms unify and simplify the subject of multivariable calculus, and students who learn the subject as it is presented in this book should come away with a better conceptual understanding of it than those who learn using conventional methods.

* Treats vector calculus using differential forms

* Presents a very concrete introduction to differential forms

* Develops Stokess theorem in an easily understandable way

* Gives well-supported, carefully stated, and thoroughly explained definitions and theorems.

* Provides glimpses of further topics to entice the interested student

作者介绍:

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评论

Although many typos are contained in the book, the contents are readable.

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书评

Why does a mirror reverse left and right? The answer, of course, is that it doesn't. To see this, imaging standing in front of a mirror holding an arrow pointing to your right. Then the image of the arrow in the mirror will also point to your right. The …

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