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just below the last displayed equation:
Change ' \mathbb{R}^n ' to ' \mathbb{R}^{n+1} ', and in the
next line, change x to x_{n+1} . After
“(Fig. 1.4),” insert “with similar
interpretations for the other charts.”
(8/8/16) Page 7, Fig. 1.4: Both
occurrences of x should be x_{n+1} .
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Introduction to Smooth Manifolds from John Lee is one of the best introduction books I ever read. I read most of this book, except for the appendices at the end and proofs of some corollaries. This book covers a couple of subjects: (*) First the theory of smooth manifolds in general (ch1, 2, 3, 4, 5 and 6), smooth maps, (co)tangent spaces, (co)vector fields and vector bundles.

~~Introduction to Smooth Manifolds by~~

~~John M. Lee~~

John M. Lee is Professor of Mathematics at the University of Washington in Seattle, where he regularly teaches graduate courses on the topology and geometry of

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manifolds. He was the recipient of the American Mathematical Society's Centennial Research Fellowship and he is the author of four previous Springer books: the first edition (2003) of Introduction to Smooth Manifolds, the first edition (2000) and second edition (2010) of Introduction to Topological Manifolds, and Riemannian Manifolds ...

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level textbook on the theory of smooth manifolds, for students who already have a solid acquaintance with general topology, the fundamental group, and covering spaces, as well as basic undergraduate linear algebra and real analysis. It is a natural sequel to my earlier book on topological manifolds [Lee00].

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