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DECEMBER2, 2020 (8/8/16) Page
6, just below the last displayed
equation: Change ' \mathbb{C}^x /to
' \mathbb{C}^1 \mathbb{C}^x , and in the next line,
change x to $x \in \mathbb{C}^1$. 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
 $x \in \mathbb{C}^1$. (12/19/18) Page 9, proof of

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~~Theorem 1.15:~~ In the second line of the proof, replace "For each j " with "For each $j \geq 0$ ".

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Introduction to Smooth Manifolds from John Lee is one of the best introduction books I ever read. I

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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 manifolds. He was the recipient of the American Mathematical Society's Centennial Research Fellowship and he is the author of four

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my (very incomplete) solutions.

Topics: Smooth manifolds.

Prerequisites: Algebra, basic analysis in \mathbb{R}^n , general topology, basic algebraic topology. Great writing as usual, with plenty of examples and diagrams where appropriate. Chapters 6 (Sard's Theorem) and 9 (Integral Curves

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