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Introduction to Smooth Manifolds (Second Edition) BYJOHNM. LEE. NOVEMBER16, 2020 (8/8/16) Page 6, just below the last displayed equation: Change  $\cdot \mathbb{C}^x$  to  $\mathbb{N} \mathbb{C}^x$ , and in the next line, change  $x$  to  $x \mathbb{C}^1$ . 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  $x \mathbb{C}^1$ . (12/19/18) Page 9, proof of Theorem 1.15: In the second line of the proof, replace "For each  $j$ " with "For each  $j \in \mathbb{N}$ ".

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longer the province of differential geometers alone, smooth manifold technology is now a basic skill that all mathematics students should acquire as early as possible. Over the past century or two, mathematicians have developed a wondrous collection of conceptual machines that enable us to peer ever more deeply into the invis-

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Integration over parametrizations in the border of a manifold with corners (John M. Lee Introduction to Smooth Manifolds exercise 16.22) 1. About some topological facts of smooth manifolds. 2. Proving John Lee's ISM proposition 5.47. For a smooth real function, each regular sublevel set is a regular domain. 1.

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