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By using the de Rham theory of differential forms as a prototype of cohomology, the machineries of algebraic topology are made easier to assimilate. With its stress on concreteness, motivation, and readability, "Differential Forms in Algebraic Topology" should be suitable for self-study or for a one- semester course in topology.

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In mathematics, an open cover of a topological space is a family of open subsets such that is the union of all of the open sets. A good cover is an open cover in which all sets and all intersections of finitely-many sets are contractible (Petersen 2006).. The concept was introduced by André Weil in 1952 for differentiable manifolds, demanding the ... to be differentiably contractible.

Good cover (algebraic topology) - Wikipedia

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Differential Forms in Algebraic Topology (with Raoul Bott), third corrected printing, Graduate Text in Mathematics, Springer, New York, 1995. The third printing published in 1995 corrects misprints in earlier printings; after that, the book has remained stable. Any printing dated 1995 or later should be fine. Earlier printings should be discarded.

Errata for Bott and Tu's book "Differential Forms in ...

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