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### Differential Algebraic Topology - uni-bonn.de

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### Differential Forms in Algebraic Topology - Raoul Bott ...

The notion of a differential motivates several concepts in differential geometry (and differential topology). The differential (Pushforward) of a map between manifolds. Differential forms provide a framework which accommodates multiplication and differentiation of differentials. The exterior derivative is a notion of differentiation of ...

### Differential (mathematics) - Wikipedia

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### De Rham Cohomology Of Differential Modules On Algebraic ...

History. The field of algebraic topology was still nascent in the 1920s. It had not yet developed the notion of cohomology, and the interaction between differential forms and topology was poorly understood.In 1928, Élie Cartan published a note entitled Sur les nombres de Betti des espaces de groupes clos in which he suggested, but did not prove, that differential forms and topology should be ...

### Hodge theory - Wikipedia

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.

### Differential Forms in Algebraic Topology (Graduate Texts ...

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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