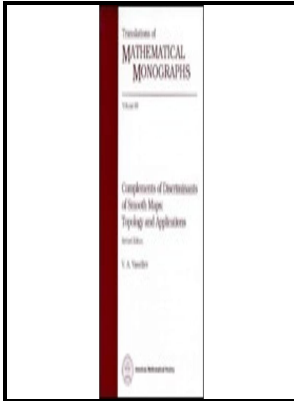# Complements of discriminants of smooth maps - topology and applications

American Mathematical Society - Translations of Mathematical Monographs

Description: -
-
Low-dimensional topology.
Loop spaces.Complements of discriminants of smooth maps -
topology and applications
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Topology of Discriminants and Their Complements

In previous work we showed that when the dimensions are in the stable range, the rational homology groups of these spaces can be calculated as the homology of a direct sum of certain finite graph-complexes, which we described explicitly.

Homology of spaces of smooth embeddings, The Quarterly Journal of Mathematics

Computer Graphics and Geometric Modeling Using Beta-splines.

at.algebraic topology

Let be the set of equivariant maps up to equivariant homotopy.

Smoothness

The discriminant variety is the set of those points of the functional space which represent the mappings having nongeneric singularities. Harer, The cohomology of moduli spaces, LNM 1337 or Penner, Comm Math Phys 113, 299-339.

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