

Geometry and Topology

Equivariant bordism from the global perspective.

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Global homotopy theory is, informally speaking, equivariant homotopy theory in which all compact Lie groups acts at once on a space or a spectrum, in a compatible way. In this talk I will advertise a rigorous and reasonably simple formalism to make this precise, using orthogonal spectra. I will then illustrate the formalism by a geometrically motivated example, namely equivariant bordism of smooth manifolds.