

Topological aspects of n -categories

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In order to extend the Atiyah-Segal-Witten axioms for topological quantum field theories to manifolds with singularities one is naturally led to consider n -categories and n -vector spaces in some form. This leads to the construction of some new functors, f.ex. a higher order K -theory based on “ n -vector-bundles”. This is still work in progress.