NINY ARCILA MAYA, University of British Columbia
Decomposition of topological Azumaya algebras with involution

A topological Azumaya algebra with an involution is a topological generalization of the concept of a central simple algebra with an involution. We give conditions for positive integers m and n and the space X such that a topological Azumaya algebra with an involution of degree mn over X can be decomposed as the tensor product of topological Azumaya algebras with involution of degrees m and n.