



TOPOLOGY SEMINAR

Higher Morita categories

By

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Abstract: Classical Morita theory for associative algebras can be described in terms of a 2-category with associative algebras as objects, bimodules as morphisms, and bimodule homomorphisms as 2-morphisms; this can be further enhanced to a double category that also includes algebra homomorphisms. More generally, we can consider 2-categories and double categories of enriched categories and bimodules between them. I will discuss homotopical versions of these structures and their higher-dimensional generalizations to E_n -algebras and enriched n -categories, which are of interest as targets for fully extended TQFTs.

Date: Apr 12, 2021

Time: 13:30 UTC+3

Place: Zoom

To request the event link, please send a message to cihan.okay@bilkent.edu.tr