



TOPOLOGY SEMINAR

Introduction to Bicategories and Extended Topological Field Theories

By

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Abstract: In this talk, I will motivate and introduce bicategories and extended Topological Field Theories (eTFTs). I will start with recalling the basics of Topological Quantum Field Theories (TQFTs) and the classification theorem in 2-dimensional case. I will then give the definition of eTFT as a functor between particular bicategories, generalizing the case of ordinary TQFT. Lastly, I will informally discuss one of the classification theorems for 2-dimensional eTFTs. (Senior Project Presentation, Math 492)

Date: May 12, Monday, 2025

Time: 13:30

Place: Mathematics Seminar Room, SA-141 & ZOOM

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