



TOPOLOGY SEMINAR

Fibration categories from enrichments

By

Akif Erdal

Abstract: In this talk, we will show that if C is a category that is enriched over a symmetric monoidal model category V , then C has the structure of a fibration category that is induced from the one on V , provided that certain power objects exist. Moreover, if G is a group and GV admits the standard equivariant model structure, then GC also carries a fibration category structure inducing from the one on GV . We will also show that various categories of operator algebras, and their G -equivariant versions, are fibration categories obtained in this way. By using this, we recover known results that (equivariant) bivariant K and E -categories are triangulated categories.

Date: April 27, 2020 Monday

Time: 13:40 – 14:40

* To request the event link, please send a message to matthew.gelvin@bilkent.edu.tr