



# TOPOLOGY SEMINAR

## Categorifying induction formulae via divergent series

By

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**Abstract:** We show how to get explicit induction formulae for finite group representations (and more generally for rational Green functors) by summing a divergent series over Dwyer's subgroup and centralizer decomposition spaces. This results in formulae with rational coefficients. The former space yields a well-known induction formula, the latter yields a new one. As essentially immediate corollaries of the existing literature, we get similar formulae in group cohomology and stable splittings of classifying spaces.

**Date:** April 15, 2019 Monday

**Time:** 13:40 – 14:40

**Place:** SA141 Mathematics Seminar Room

\* Tea and cookies will be served after the talk. All are most cordially invited.