TOPOLOGY SEMINARS

(Co)homology as a functor and the transfer map

By

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Abstract: Let In this talk we will begin exploring the relationship between the (co)homology of different groups. We will see that a group map f:G —> G' induces a covariant map f_*: H_*(G) —> H_*(G') and a contravariant map f^*: H^*(G') —> H^*(G). In the case that G is a subgroup of G' and f is the inclusion, we will also discuss a ``wrong-way'' transfer map, having the opposite variance of what would be expected. Time permitting, we will end by drawing a connection to the group-theoretic notion of transfer.
*In this semester, we follow Brown's Cohomology of Groups which can be downloaded from https://www.springer.com/gp/book/9780387906881.

Date: October 22, 2018
Time: 13:40 – 15:00
Place: SA141 Mathematics Seminar Room

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