

Oberseminar Topologie: 28.10.2024

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Title:

Norm, Assembly and Coassembly

Abstract:

For a finite group  $G$ , an object with a  $G$ -action in some semi-additive category, and any additive functor, there always exists a factorization square involving assembly, coassembly and norm maps. One can use this to give a completely formal proof that the assembly map in  $K$ - and  $L$ -theory for finite groups is rationally and  $K(n)$ -locally split-injective. I have some open conjectures for how one might deal with infinite groups as well.