

On the centre of crossed modules of groups and Lie algebras

Friday, October 29, 2021 10:30 AM (40 minutes)

Crossed modules are algebraic models of homotopy 2-types and hence have π_1 and π_2 . We propose a definition of the centre of a crossed module whose essential invariants can be computed via the group cohomology $H^i(\pi_1, \pi_2)$. This definition therefore has much nicer properties than one proposed by Norrie in the 80's.

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