

Rational Homotopy Theory Seminar

Week 7 Problems

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1. How does the general discussion I mentioned mesh with Quillen's treatment? How is the Chevalley-Eilenberg complex a bar construction?
2. How is the rational model of a simply connected Lie group related to the CE complex of its Lie algebra? What is the relationship between Koszul duality and integration of Lie algebras?
3. What is the relationship between the rational homotopy groups of a spectrum, and the rational homology of its 0th space?