

SULLIVAN'S RELATION IN RABINOWITZ FLOER HOMOLOGY AND LOOP SPACE HOMOLOGY

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Abstract: This talk is about ongoing joint work with Nancy Hingston and Alexandru Oancea. I will explain that Rabinowitz Floer homology is an infinitesimal bialgebra in the sense of Joni-Rota and Aguiar. In particular, it satisfies Sullivan's relation. Then I will discuss why Sullivan's relation fails in general for loop space homology.