

Speaker: Dan Lior
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Thursday, December 2, 2010
3:00 pm
258 Hurley Hall

Title: A generalization of Robinson's bicomplex for the the stable homotopy of Γ -modules

Abstract:

Alan Robinson described a bicomplex for the stable homotopy of a Γ -module. Randy McCarthy et. al. developed the *discrete Taylor tower* of a Γ -module (an analogue of the Goodwillie-Taylor tower). It turns out that the stable homotopy groups of a Γ -module F are the same as the homology groups of the first layer D_1F of F in its discrete Taylor tower. We present a unified method for generating bicomplexes for the higher layers D_kF in the discrete Taylor tower of F .