

Mathematical Physics Seminar at Boston
University

12:30pm (Tea at 12:15)

Matt Szczesny (BU)
Feynman graphs and Ringel-Hall algebras
MCS 180

Tue, Sep 23 2008

Abstract

In this talk, I will explain recent joint work with Kobi Kremnizer, in which we obtain a categorification of the enveloping algebras of Feynman graphs and rooted trees. The resulting categories resemble a finitary abelian category, and their Ringel-Hall algebras are the enveloping algebras of graphs and trees respectively.

<http://math.bu.edu/research/mathphys/seminar.html>