

1131-20-43

Gordon Brown* (gbrown@math.ou.edu). *Webs for spin permutation modules*. Preliminary report.

Webs are a type of diagram introduced by Kuperberg in the 1990s to describe intertwiners between certain modules of Lie algebras. In this talk, I will discuss how one can present the idempotented version of the Schur algebra (due to Doty-Giaquinto) in terms of webs, which in turn translates the intertwiners between permutation modules M^λ of the symmetric group into webs. I will then briefly describe how the same idea can be used to produce webs for a spin (projective) analog of M^λ . (Received June 21, 2017)