

1093-55-398

Mustafa Hajij* (mustafa.hajij@yahoo.com), 4243 Burbank Dr Apt 102, Baton Rouge LA, LA 70808. *The tail of a quantum spin network and Andrews-Gordon identities*. Preliminary report.

We use local skein relations to understand and compute the tail of a sequence of admissible trivalent graphs with edges colored n or $2n$. We give a natural skein theoretic proof of the stability of the coefficients of the colored Jones polynomial of alternating links. Furthermore, we show that our skein theoretic techniques can be used to prove the Andrews-Gordon identity for the theta function and a corresponding identity for the false theta function. (Received August 22, 2013)