1148-55-172 **Jun Peng*** (jun.peng@uconn.edu), 1 University Place, Stamford, CT 06901. *Beyond the tails of the colored Jones polynomial.*

Conjected first by Dasbach and Lin, the existence of the heads and tails of the colored Jones polynomials for alternating knots was then proved independently by Armond, and Garoufalidis and Le. We study the immediate coefficient following the tails of an alternating link and show similar stability of its relative difference. We also discuss the first higher-order relative difference for a specific class of alternating links. The result can then improve the upper bound of the volume of a hyperbolic alternating link given by Dasbach and Tsvietkova. (Received February 03, 2019)