Cody Armond* (carmond@math.lsu.edu), 303 Lockett Hall, Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803-4918. Walks Along Braids and the Colored Jones Polynomial. Preliminary report.

We investigate the coefficients of the colored Jones Polynomial for alternating braids and positive braids. The method used is a reinterpretation of the quantum determinant description introduced by Vu Huynh and Thang Lê in terms of walks along the braid. (Received September 21, 2009)