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Mustafa Hajj* (mhajj1@lsu.edu), Louisiana State University, Dept. of Mathematics, Baton Rouge LA, LA 70808. *The colored Kauffman skein relation and the tail of the colored Jones polynomial.*

Using the colored Kauffman skein relation, we study the highest and the lowest $4n$ coefficients of the n^{th} unreduced colored Jones polynomial of alternating links. This gives a natural extension of the result by Kauffman in regard with Jones polynomial of alternating links and its highest and lowest coefficients. We use our techniques to give a new and natural proof for the existence of the tail of the colored Jones polynomial for alternating links. (Received November 27, 2013)