On normalized arrow polynomials of checkerboard colorable virtual links

Takanori Imabeppu

Hiroshima University

Abstract. It is known that every classical knot diagram is checkerboard colorable, but every virtual knot diagram is not checkerboard colorable. Normalized arrow polynomials introduced by Kauffman are a generalization of Jones polynomials. We show that some virtual links are not checkerboard colorable by using a certain property of normalized arrow polynomials.