

The dealternating number and the alternation number of a
closed 3-braid

Kengo Kishimoto
Graduate School of Science, Osaka City University

Abstract. This is a joint work with T. Abe. We give an upper bound for the dealternating number of a closed 3-braid. As an application, we determine the dealternating numbers and the alternation numbers of some closed positive 3-braid knots. We also show that there exist infinitely many positive knots with any dealternating number (or any alternation number) and any braid index.