1054-54-172 Anthony Barsha* (abars001@student.ucr.edu), University of California at Riverside, Department of Mathematics, Surge 272, 900 University Avenue, Riverside, CA 92521, and Mohamed Ait Nouh (maitnouh@math.ucr.edu), University of California at Riverside, Department of Mathematics, Surge 272, 900 University Avenue, Riverside, CA 92521. Twisting of Knots with less than ten crossings. Preliminary report.

A twisted knot K_n is a knot obtained from the unknot by performing a $\left(-\frac{1}{n}\right)$ -Dehn surgery along a trivial knot C, for instance, Figure 1 shows that K_{+1} is the twist knot. In this talk, we will classify twisting of knots with crossing number less or equal to ten, and give, for the first time, the smallest non-twisted knot in this family. (Received September 13, 2009)