

1037-57-290

Maciej Niebrzydowski* (mniebrz@gmail.com). *On the fundamental quandles of the long and closed trefoil knots.* Preliminary report.

We describe the structure of the fundamental quandles of the long and closed trefoil knots. In particular, we show that the quandle of the closed trefoil knot is isomorphic to the Dehn quandle of the torus, and its underlying set is $Q \cup \infty$. We also prove that for both long and closed trefoil knots, their quandles can be viewed as quandles of cords on the sphere. This is a joint work with Jozef Przytycki. (Received February 04, 2008)