

1053-57-199

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*Embedding tangles in knots and quandle cocycle invariants.*

Quandle cocycle invariants are used to study the problem of embedding tangles in knots. Computations are done to detect which tangles may or may not embed in knots in the tables. The talk will include overview on the results with coauthors K. Ameer, T. Rose, M. Saito and C. Smudde. We will also discuss new results from work in progress with M. Niebrzydowski. (Received September 03, 2009)