

1054-57-185

Ayumu Inoue* (ayumu7@is.titech.ac.jp). *Quandle and hyperbolic volume.*

We will show that hyperbolic volume can be viewed as a quandle cocycle. It gives us a criterion for determining invertibility and positive/negative amphicheirality of hyperbolic knots. The talk is based on arXiv:0812.0425. (Received September 14, 2009)