

1018-57-62

Thomas W Mattman* (tmattman@csuchico.edu), Department of Mathematics, CSU, Chico, Chico, CA 95929-0525, and **Gabriel Maybrun** and **Kristin Robinson**. *Boundary slope diameter and crossing number of 2-bridge knots.*

We prove that for 2-bridge knots, the diameter, D , of the set of boundary slopes is twice the crossing number, c . This constitutes partial verification of a conjecture that, for all knots in S^3 , D is at most $2c$. (Received February 22, 2006)