

1025-05-129

John Tynan* (tynanj@marietta.edu), Dept. of Mathematics and Comp. Sci., 215 Fifth Street, Marietta, OH 45750, and **William Sears**. *Determining p -colorability for knots*. Preliminary report.

In knot theory, one can determine if two potentially different knots are the same by using p -colorings, where p is a prime number. In this talk, we address a technique to determine for which prime numbers p a given knot is p -colorable. (Received January 19, 2007)