

Examples and Applications from Braid Theory

James R. Bozeman
Lyndon State College

Thursday, June 1, 2006
L01 Carson Hall, 4:00 pm
(Tea 3:30 pm Math Lounge)

Abstract

In this talk, which should be understandable to mathematicians at all levels, I will present some examples and applications from braid theory. My remarks will touch on areas including, but not limited to, the Poincare Conjecture; the Neilsen-Thurston Classification Problem; and the mathematics of DNA. Given time I will conclude with completely unrelated, but topical, work done in conjunction with an undergraduate.