

1023-Z1-129

Junalyn P. Navarra-Madsen* (jnavarramadsen@mail.twu.edu), 7208 Chaucer Dr., Denton, TX 76210, and **Angela McMichael** (angela1@mail.twu.edu), P O Box 425886, Denton, TX 76204. *Understanding Protein-DNA Binding via Fox Coloring*. Preliminary report.

In this talk, we will show how biology and knot theory can be combined. An elementary knot or link invariant, Fox coloring, is utilized in modeling of protein-DNA binding and interactions such as recombination and transposition. (Received August 04, 2006)