



All Tied Up in Knots

Lisa Traynor

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Thursday, December 5, 2013

5:00PM in 101 Jordan Hall

We have all encountered some knots in our life. In this presentation, Lisa Traynor will describe how a mathematician approaches knots. In particular, she will explain some of the rich and beautiful theory of knots and show how knot theory can be applied to model DNA-enzyme interactions. She will also discuss special knots whose shape and movement is constrained by equations that have deep roots in physics. These Legendrian knots have intriguing cusped images and are more common than you may first imagine.

