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Eric J Rawdon* (ericrawdon@gmail.com). *Average crossing number and writhe of knotted random polygons in confinement.*

Knots in nature typically are confined in some fashion. We explore how the average crossing number and writhe of random polygons behave under spherical confinement. In particular, we analyze how length, confinement radius, and knotting affect these two quantities. This is joint work with Yuanan Diao, Claus Ernst, and Uta Ziegler. (Received February 12, 2018)