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Knot Spinning and Rack Coloring.

Carter and Ishii introduced in 2012 a notion of a knotted 2-dimensional foam which is a generalization of a knotted sphere in the same sense as a trivalent graph generalizes a classical knot. Although Zeeman proved in 1965 that the 1-twist spin of any classical knot is unknotted, Carter and I found a knotted trivalent graph for which 1-twist spinning is knotted.

We relate this work on spinning of knotted trivalent graphs with Greg Friedman's approach to knot spinning. This is a joint work with Jozef Przytycki. (Received January 28, 2014)