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Jason Cantarella* (jason.cantarella@gmail.com), UGA Math Department, 102 D.W. Brooks Drive, Athens, GA 30602, and **Harrison Chapman** and **Matt Mastin**. *Random Knot Diagrams*.

In this talk, we present results from an enumeration of all knot and link diagrams through 10 crossings. The enumeration allows us to define a model of a random knot as the knot obtained from a uniform probability distribution on the finite set of immersions of the circle into the sphere, together with randomly assigned crossing signs and orientation. In this range of crossing numbers, most knots are unknots, and the enumeration reveals some interesting reasons why this is the case. Results by the second author (presented in his talk) prove that unknots are rare among more complicated random knots. (Received August 17, 2015)