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**Malik Obeidin\*** (mobeidin@illinois.edu). *Hyperbolicity of Random Link Diagrams.*

One of the most interesting and cryptic of all knot invariants is the hyperbolic structure of the knot complement, whose existence was established for a huge class of 3-manifolds by the work of Thurston. In fact, low dimensional topologists often say that "most" 3-manifolds are hyperbolic. However, this assumption actually fails for many combinatorial descriptions of knots and links: for example, a random link diagram with many crossings is almost surely not hyperbolic, but composite. In this talk, I will give concrete estimates for the probability that a random link diagram is hyperbolic, as well as probabilities for other related properties. (Received August 17, 2018)