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Random grid diagrams.

In this talk we will look at the distribution of the number of components in the population of knots and links represented by grid diagrams. We write programs in the R programming language to generate random samples of grid diagrams. We analyze the number of components and splittability of the links in these samples using statistical methods to gain a better understanding of the population of grid diagrams and the knots and links they represent. (Received September 17, 2019)