

Bootstrap Percolation and Automated Conjecturing

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Each summer, we run a several week intensive research project at VCU with the goal of using automated conjecturing for the exploration of combinatorial problems. In this talk, we describe our work on Bootstrap Percolation – giving an overview of percolation itself, the automated conjecturing framework, and some of the theorems we were able to prove. This is joint work with Craig Larson and a small army of students (both undergraduates and graduate students).

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