

Edge Bootstrap Percolation of Paths in Various Host Graphs

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Edge bootstrap percolation is a deterministic discrete-time process performed on the edges of a graph which measures the presence of certain subgraphs H inside of a given host graph. A set of edges G is selected to be initially infected and in subsequent time steps additional edges are infected if they are the only uninfected edge of a copy of H in the host graph. We share some results and open questions regarding the P_n -percolation problem inside of the complete graph as well as in other host graphs.

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