

Graph Reconstruction Problems

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Nearly sixty years ago, S.M. Ulam and his doctoral student P.J. Kelly proposed a conjecture which remains unsolved to this day. It affirms that every graph can be reconstructed from its vertex-deleted subgraphs. We shall discuss this conjecture, as well as a variety of related problems and conjectures concerning the reconstruction of graphs and directed graphs from similar types of information.

Lecture co-financed by the European Union in scope of the European Social Fund