

Hamiltonian complexes, interval graphs, determinantal ideals

Bruno Bendetti

University of Miami

bruno@math.miami.edu

Lisa Seccia

U Genova

lisa.seccia@gmail.com

Matteo Varbaro

U Genova

varbaro@dima.unige.it

There are three mutually-related notions in graph theory, from three different centuries: Hamiltonian paths, (unit)-interval graphs, and binomial edge ideals. We study the d -dimensional generalization of these ideas.

This is joint work with Matteo Varbaro and Lisa Seccia (arXiv:2101.09243).