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*Conjecturing with GrInvIn*

GrInvIn is a program for investigating graphs. The program is open-source, easily extendable, easy-to-use and can enhance student's mathematical investigations at many levels. The author will discuss examples of using GrInvIn in an introductory proofs course, and in guiding a masters thesis on bounds for the domination number in benzenoids. Finally, we have added a new conjecturing heuristic - with the aim of improving the conjecturing power of future iterations of GrInvIn.