

Research tools for graph theorists and chemists

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joint work with G. Devillez and V. Dusollier

The discovery system PHOEG was presented in previous editions of GO. It allows to conjecture relations between graph invariants with the help of a geometrical approach.

This tool is made available to the scientific community via a website. It has been completely rewritten to allow for simplified use by researchers. The new interface will be presented, along with a new tool specifically designed for research in chemical graph theory, called ChemicHull. The latter makes it easy to discover the extremal properties of degree-based topological indices.