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*Intersection graphs of homothetic polygons*

Take a convex polygon and consider its homothetic copies in the plane, i.e. scaling and translation are allowed, no rotations. Several algorithmic, complexity, and structural results on intersection graphs of this type have recently been obtained. For instance the simplest case of a triangle results in the class of max-tolerance graphs, which has very recently been shown to contain all planar graphs. We will survey recent progress and discuss pertaining open problems.