## Towards automatic detection of geometric difficulty of geometry problems

András Kerekes $^1$  and Zoltán Kovács $^2^{[0000-0003-2512-5793]}$ 

Radnóti Miklós High School, Szeged, Hungary kerekes.andras.pro@gmail.com
Private University of Education, Diocese Linz, Austria zoltan.kovacs@ph-linz.at

**Abstract.** In this contribution, we compare three different options to define geometric difficulty of geometry problems. By computing correlation between the achieved values and the algebraic complexity, and, alternatively, ad-hoc human intuition, we confirm that our former definition seems acceptable.

**Keywords:** Automated deduction in geometry, Mathematics education, Artificial intelligence, Geometric Deductive Database method, GraphViz