

▽ A few words about Euclid's Elements

△ Euclid's axioms

○ The fifth axiom, aka the parallel postulate

≡ Non-Euclidean geometry

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□ Polygons, polyhedra and Platonic solids

◇ There are five Platonic solids!!!

♠ A straightforward proof

♡ Euler's proof—the prehistory of algebraic geometry

♣ Proving Euler's formula