

















Open Problem

- For each positive integer n, is it always possible to partition a given convex polygon into n convex pieces such that each piece has the same area and the same perimeter?
- Solved for n = 2, n = 3, $n = 2^k$ and $n = p^k$

3D Dissections

- One of Hilbert's original 23 problems in 1900.
- #3: Given any two polyhedra of equal volume, is it always possible to cut the first into finitely many pieces which can be reassembled into the second?
- Proved by Max Dehn, by counter example.







