



























Allowed Transformations Translation + rotation = rigid motion (Euclidean) + scaling = similarity + shearing = affine

Exact Point Matching Numerically very unstable 2D: get polar coords w.r.t. centroid sort by φ, r & concatenate => "strings" A,B is A substring of BB? O(n log n) <- sort For similarity, first scale object diameter

Exact Point Matching: 3D Project points onto center sphere Label projections w/ list of projected pts. Take 3D convex hull of points on sphere to induce adjacency relationship Solve labeled planar graph isomorphism O(n log n)

























