

1041-53-234

Mohammad Ghomi* (ghomi@math.gatech.edu), School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332. *The contractibility of the space of noncompact convex hypersurfaces*. Preliminary report.

It is well-known that the space of compact convex hypersurface in Euclidean space is contractible (for instance, one may use the Minkowski sum to transform each convex surface to a sphere of radius one centered at the origin). In this talk we discuss some results concerning the contractibility of the space of noncompact convex hypersurfaces. (Received August 12, 2008)