

1014-51-1116 **Michelle Lee*** (06mdl@williams.edu), Building #6, 2365 Baxter Hall, Williamstown, MA 01267.
The Isoperimetric Problem in Surfaces. Preliminary report.

The classical isoperimetric theorem says that the circle provides the least-perimeter way to enclose given area in the Euclidean plane. We consider other surfaces, sometimes with density. (Received September 27, 2005)