1086-14-1695 **Frank Sottle*** (sottile@math.tamu.edu), Department of Mathematics, TexasA&M University, College Station, TX 77843-3368, and **Tina Mai** (mai@math.tamu.edu), Department of Mathematics, Texas A&M University, College Station, TX 77843-3368. *The convex hull of a pair of circles.* Preliminary report.

We describe the boundaries of the convex hulls of perhaps the simplest compact curves in three-dimensional space, pairs of circles. This convex hull consists of a 1-dimensional family of line segments (called the edge surface) and one or two discs. This edge surface is in general an irrational ruled surface whose rulings form a (2, 2)-curve in the product of the circles. We classify which real(2, 2)-curves arise, and use this to classify the convex hulls. (Received September 24, 2012)