

*On Finiteness of the Number of
Stable Minimal Hypersurfaces with
a Fixed Boundary*

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1. Introduction

This paper addresses the following question:

QUESTION: Can there be infinitely many minimal surfaces with a given boundary?

On the one hand, there have been examples of such nonfiniteness, such as the four circles of [34] (described in [36] and [36A]) which bound continua of minimal surfaces; see Figure 1(1).

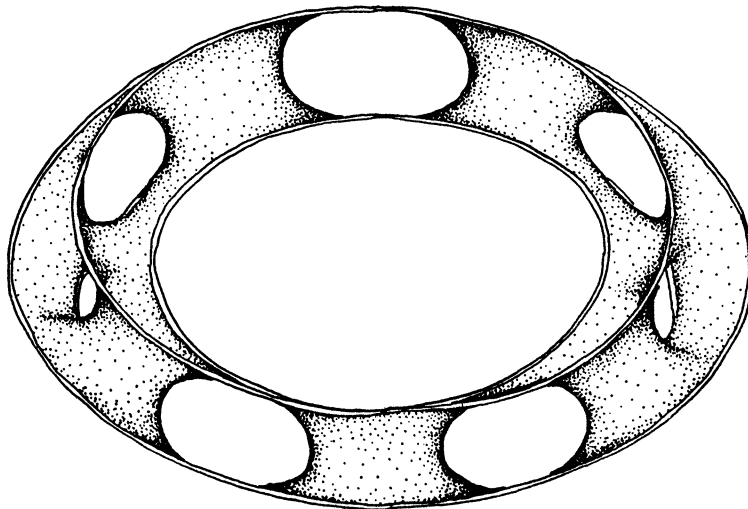


FIGURE 1(1)
One of a continuum of minimal manifolds