

# The SUMO Speaker Series for Undergraduates

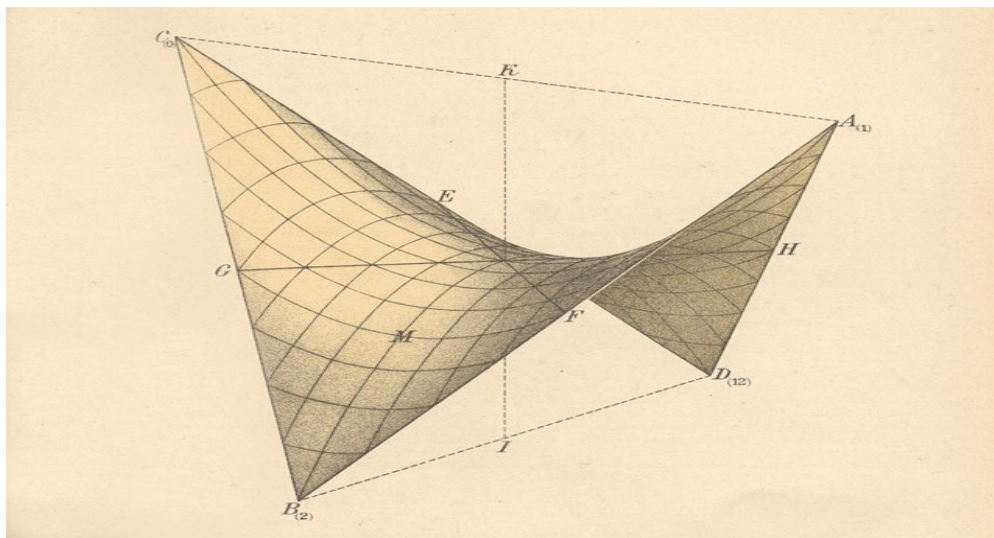
*(Pizza Provided)*

Wednesday, May 25<sup>th</sup>

**4:15-5:05, room 380C**

## Surfaces that Locally Minimize Area

Professor David Hoffman



### ABSTRACT:

The study of minimal surfaces---mathematical idealizations of soap films---has been central to the development of modern geometry and partial differential equations. We will present various definitions of a minimal surface, all local (including one that explains the obscure title of this lecture), show how the field is connected with complex analysis, and discuss some global questions about existence of these surfaces.

[sumo.stanford.edu/speakers](http://sumo.stanford.edu/speakers)