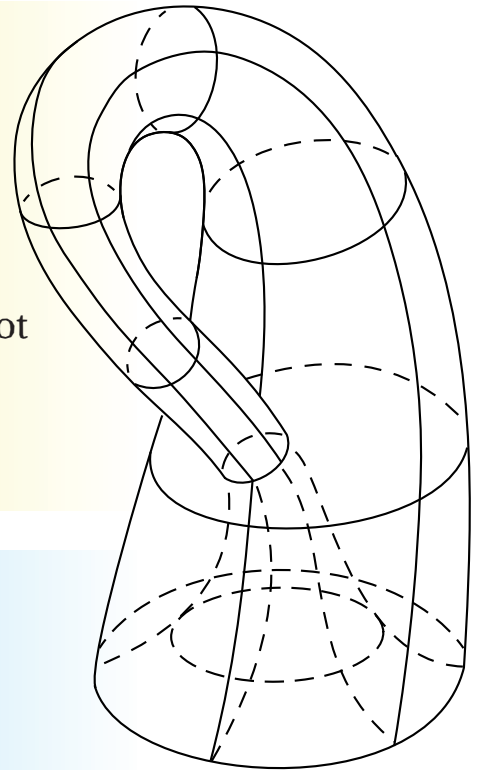


Math Table

The Mysteries of 4-dimensions

Professor Clifford Taubes

The classification of spaces of dimensions 1-3 and $5-\infty$ is well understood. Dimension 4 is not understood. In fact, there are no compelling conjectures as to what the answer should be. I hope to explain some of this in the talk.



Preceded by

Tutorial: Infinite Combinatorics

Gabe Goldberg

Infinite combinatorics is the study of infinite trees, graphs, partitions, and more generally the infinite generalizations of the objects that arise in finite combinatorics. Compared with their finite counterparts, these structures present problems of a very different nature, which are often impossible to solve without resorting to hypotheses beyond the usual axioms of mathematics and therefore involve deep interactions with the foundations of mathematics. This course will survey several problems in infinite combinatorics and the set theoretic hypotheses that arise in their solutions.

Tuesday, September 4th

First talk at 5:00 PM

Science Center 232

Food provided.

To learn more about Math Table events, visit is.gd/mathtable !