ZURICH GRADUATE COLLOQUIUM

Tuesdays, 5:15 pm
Hermann Weyl Zimmer, ETH Zentrum
in alternation with the
Zurich Colloquium in Mathematics

Speaker: **Prof. Shmuel Weinberger**
(University of Chicago)

Title: **A logical approach**
to variational problems

Date: Tuesday, June 28th

Variational problems have been studied for millennia, and range from geodesy to the isoperimetric problem to the ontological proof of the existence of god. The goal of this talk is to explain a peculiar method (largely developed by Nabutovsky) that exploits Godel's incompleteness theorem (an impossibility result that says that certain things cannot be proven) and its descendents to show that certain (geometric) variational problems can be solved, and in many ways.

`http://www.math.ethz.ch/graduate/colloquium`

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