

The Oliver Club

www.math.cornell.edu/~oliver/

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Solving Geometric Variational Problems by Gluing

In this talk I will describe a schematic approach to a widely used technique for constructing new solutions of geometric variational problems from known ones, called "gluing." I will focus on two examples to give an idea of the issues involved: First, a result of Joyce to construct metrics of constant scalar curvature; then a four-dimensional result which creates new examples of metrics which are critical points for a certain L^2 -curvature functionals.



Thursday, February 27, 2014
at 4:00 PM in 532 Malott Hall

Refreshments will be served at 3:30 PM in the Mathematics Department lounge (532 Malott Hall).