

Idaho State University  
Department of Mathematics & Statistics

## Colloquium

# Badly Wrinkled Shirts



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Professor

Kansas State University

September 14, 2018

4:00 pm

PS 307

### Abstract:

In four dimensions it is possible to have a pair of smooth surfaces that are something known as topologically isotopic (intuitively one can deform one to another without ripping) but not smoothly equivalent (any deformation taking one to the other would have to wrinkle things in a serious way.) This talk will explore the construction of such surfaces, and explain some other properties that these surfaces have.

*For colloquium attendees, there will be light refreshments in PS 317 at 3:30PM.*