

# B I - C O M A T H E M A T I C S C O L L O Q U I U M

**Dennis DeTurck**

University of Pennsylvania

*“Continuous Symmetries  
and Linking Integrals”*

**Monday, March 26, 2018**

Talk at 4:00 – Park 338

Tea at 3:30 – Park 339, Math/Physics Lounge

**Abstract:**

When a problem or a geometric object is invariant under the action of a continuous group of transformations, we can often exploit the symmetry to reduce its complexity so that we can understand it better. In the talk, we'll illustrate this with examples from calculus, analysis, physics and geometry, starting from some very old results and culminating with some current work to derive explicit formulas for linking integrals.

**BRYN MAWR COLLEGE**