

# Stanford Department of Mathematics Colloquium

## TOPOLOGY AND STRINGS

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### Abstract

I will discuss some applications of algebraic topology to quantum field theory and string theory. Recent examples include the Wess-Zumino-Witten term in quantum chromodynamics and orientifolds in string theory. Topology accesses parts of these theories which are independent of scale, as we explain in these examples.

Thursday, February 14  
4:15 p.m.  
Room 380-F

<http://math.stanford.edu/coll/0708/>