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Ralph L Cohen* (ralph@math.stanford.edu), Dept. of Mathematics, Stanford University,
Stanford, CA 94305. *Fiberwise Duality and String Topology*.

In this talk I will explain how many of the constructions of string topology are the result of Poincare and Spanier-Whitehead duality in the fiberwise setting. These include the “umkehr” maps that are prevalent throughout the subject. (Received April 06, 2010)