"Practically every working homotopy theorist has his own favourite elementary proof of Milnor's splitting of $\Sigma\Omega\Sigma X$" —F. R. Cohen, J. P. May, and L. R. Taylor

The Trivial Notions Seminar
Proudly Announces

Stable Splittings of Spaces

A talk by

Sam Isaacson

Abstract

Suppose X is a path-connected well-pointed space. By a theorem of Milnor, the space $\Sigma\Omega\Sigma X$ decomposes as a wedge $\bigvee_{n>0} \Sigma X^{\wedge n}$. This theorem makes essential use of a comparison between the James reduced product $J(X)$ and $\Omega\Sigma X$, the space of loops on the suspension of X. I'll talk about various approximation theorems for $\Omega^n\Sigma^n X$ and related stable splitting theorems.

Thursday, October 16^{th} at 2:07 pm
Science Center 507