

Topology Seminar

Fred Cohen

of University of Rochester will be speaking on

On natural subspaces of products, and their applications

on April 14 at 4:30 in
MIT Room 2-131

The first basic example here is the configuration space of unordered k -tuples of distinct points in a space M . When specialized to the case of M given by the complex numbers, these spaces can be identified as the space of classical complex, monic polynomials of degree k which have exactly k distinct roots.

Elementary features of these spaces as well as their connections to spaces of knots, links, and homotopy groups of spheres will be addressed. These topics are based on joint work with R. Budney as well as J. Berrick, Y. Wong and J. Wu.