

# Perturbative Chern-Simons theory

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I'll explain a construction of an algebraic structure on the cohomology of a manifold, which arises by renormalising certain Chern-Simons functional integrals. This algebraic structure seems to be very similar to structures coming from symplectic field theory on the unit cosphere bundle.

1:00 p.m.  
Math 507  
Columbia University