Kinematics and Cohomology

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The locality of field theory is most easily proven by using the fact that each term in the perturbative expansion sits in the image of a Hochschild closed one-cocycle of the underlying Hopf algebra of perturbation theory. Here we investigate the role of exact one-cocycles, relating them to variations of kinematical parameters.

Wednesday, Sep 23, 12-1pm

Rm 180, Math. Dept. Boston U., 111 Cmmington St.