Center for Mathematical Physics at Boston University

Diffeomorphism of fields and gravity powercounting

Andrea Velenich (BU)

By applying field diffeomorphisms to a free theory we can generate a field theory with a power counting similar to the one of perturbative quantum gravity, which is believed to be non-renormalizable. In the talk I will present the formal structures and the computational results supporting the claim that, in spite of their power counting, our theory is indeed renormalizable.

Wednesday, Nov 18, 12-1pm

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

http://math.bu.edu/research/mathphys/seminar.html