

Mathematical Physics Seminar at Boston University

Thu, Sep 28, 3:00pm

Dirk Kreimer (IHES and BU)

Locality and Self-Similarity

MCS 135

We discuss recent progress with Dyson–Schwinger equations in context of the algebraic structures encoding locality. The recursive structure of these equations allows insight into internal symmetries of a theory, allows for progress with nonperturbative methods and illuminates in which ways theories which are nonrenormalizable as perturbative theories can potentially be renormalizable beyond perturbation theory.

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