

# Mathematical Physics Seminar at Boston University

Thu, Dec 07, 3:00pm

Karen Yeats (Boston Univ.)

## **Recursive equations and growth estimates in Quantum Field Theory**

I'll show a way to disentangle the combinatorial content and the transcendental content of Dyson-Schwinger equations. On the combinatorial side this will result in some nice recursive equations to play with. From such playing I'll show how the growth of the primitives controls the growth of the whole theory. In particular a Lipatov bound for the primitives gives a Lipatov bound for the whole theory.

**MCS 135**

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