

Boğaziçi MATH COLLOQUIUM

Fractal solutions of dispersive PDE

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Abstract: In this talk we discuss qualitative behavior of certain solutions to linear and nonlinear dispersive partial differential equations such as Schrodinger and Korteweg de Vries equations. In particular, we will present results on the fractal dimension of the solution graph and the dependence of solution profile on the algebraic properties of time.

Date : Wednesday, January 10, 2018

Time: 15:00

Place: TB 130, Boğaziçi University