



## **GASTVORTRAG**

Der Arbeitsbereich für Technische Mathematik lädt zu folgendem Vortrag ein:

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Computer Science

#### **Dispersive blow-up for Nonlinear Schrödinger equations**

We consider nonlinear dispersive equations of Schrödinger type. After discussing different notions of blow-up (or singularity formation) within such equations, we focus on the possibility of finite-time, dispersive blow-up. The latter is a fundamentally linear mathematical phenomenon which is not so well-known, but which is one of several conceivable explanations for oceanic and optical rogue waves. We discuss recent results which prove the appearance of such dispersive blow-up in a wide variety of nonlinear Schrödinger type models.

**Zeit:** Donnerstag, 22.06.2017, 17:00

**Ort:** HSB 6

**Gäste sind herzlich willkommen!**

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