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# MATHEMATIKKOLLOQUIUM

Das Institut für Mathematik lädt zu folgendem Vortrag ein:

**Christian Ludwig**

Zentrum Mathematik, Technische Universität München

**How Edges Emerge**

**From Discrete to Continuous Functionals**

We consider discrete and continuous functionals for improving images. The power of these functionals in modeling edges depends, in the continuous case, on the underlying function space, and, in the discrete case, on the continuous functional that is obtained as the Gamma limit for large images. We study a family of discrete functionals which have a Gamma limit that generalizes the Mumford-Shah functional. Further, we construct a graduated non-convexity algorithm for their minimization.

**Zeit: Dienstag, den 17. Juni 2008 um 17:15 Uhr**

**Ort: Viktor-Franz-Hess-Haus, Technikerstraße 25, HS F**

*Otmar Scherzer*

**Gäste sind herzlich willkommen!**