

**MAFIA seminář**

# **The Cheeger constant and why one should avoid corners**

**David Krejčířík**

**Katedra matematiky FJFI ČVUT**

**úterý 26. 6. 2012, 10:00, T-112**

**Fakulta jaderná a fyzikálně inženýrská ČVUT**

**Trojanova 13, 12000 Praha**

**Abstract:** We give an introductory talk on a geometric minimisation problem associated with non-linear partial differential equations arising in the context of image denoising and reconstruction. We then present our results obtained for domains obtained as tubular neighbourhoods of curves in the plane. This is a joint work with Aldo Pratelli.