



Berlin Mathematical School

BMS Friday Colloquium

Friday, October 26, 2007, 2:00 pm

Tea before the lecture starts at 1 pm

BMS Loft, **Urania**

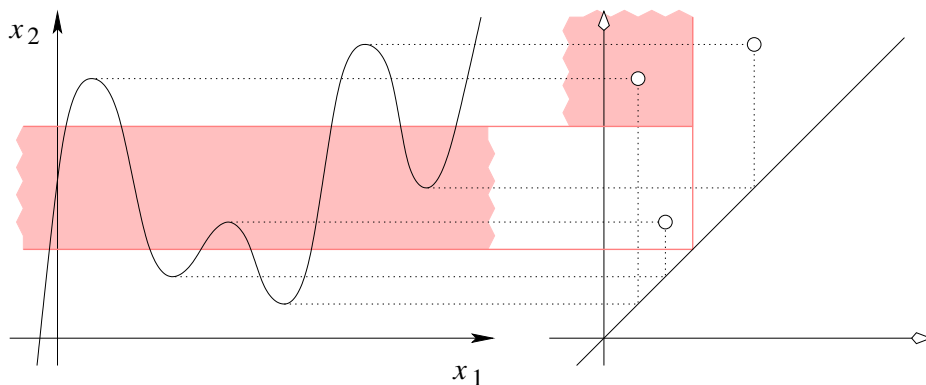
An der Urania 17, 10787 Berlin

Herbert Edelsbrunner (Duke/Berlin):

“Measuring scale before simplification”

Herbert Edelsbrunner is a pioneer of Computational Geometry, and more recently of Computational Topology, a co-founder of the software company Geomagic[®], Arts and Sciences Professor of Computer Science and Mathematics at Duke University, and now the BMS Professor for the year 2007/2008.

His opening lecture for this fall's BMS Fridays Colloquium connects Topology with real world data: Nature is inherently multi-scalar and persistent homology is an attempt to measure this aspect mathematically. Rooted in algebraic topology, this idea has ramifications inside and outside mathematics.



<http://www.math-berlin.de>