



Mathematisches Kolloquium

Am Freitag, dem 07. Juni 2013 spricht um 14 Uhr c.t. im Hörsaal IV
der Fachrichtung Mathematik (Gebäude E24)

Prof. Dr. Konrad Polthier
Freie Universität Berlin

über das Thema:

Differential-Based Image and Geometry Editing



Abstract: Based on recent results from discrete differential geometry we present new modeling techniques for 3D shapes and 2D images. The techniques combine a differential-based deformation approach with the idea of modeling brushes that allow to interactively apply modifications by painting on the geometry. The presented techniques are based on unifying concepts from discrete differential geometry including discrete differential forms, discrete Hodge decomposition and integrability results. The talk will conclude with a range of applications in various areas including computer aided design, computer graphics and industrial geometry.

Der Gast wird von Prof. Bildhauer betreut.

Alle Interessenten sind zum Vortrag herzlich eingeladen.

Kaffee und Tee ab 13.45 Uhr im Konferenzraum der Mathematik (Erdgeschoss, Raum 1.03)

Die Dozenten der Mathematik