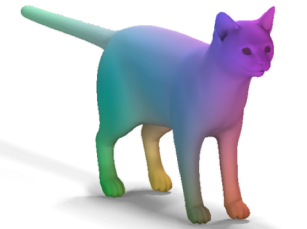
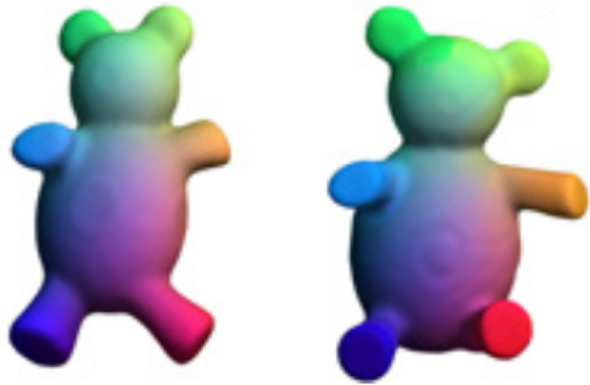


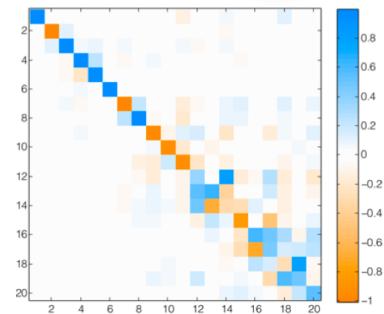
3D Shape Analysis

Summer Semester 2018



Dr. Florian Bernard

Prof. Dr. Christian Theobalt



Graphics, Vision and Video Group, MPI Informatik



- Slides are available on the website
 - user: **shape**
 - password: **procrustes**
- If you missed last week's lecture, carefully check the slides for the formalities
- Seminar format adjustment:
 - talk duration: **45 minutes**, discussion: **30-45 minutes**
- No meeting on 26 April
- Next meeting on 03 May in room 021 (first presentation)

Topic Assignments

Topic	Presenter
Shape Deformation	Vassillen Chizhov
Graph Matching (Path-following)	Zeeshan Khan Suri
Semidefinite Relaxations for Matching Problems	Hyoseung Kang
Convex Point Registration	Shishir Reddy Vutukur
Spectral Multi-Shape Matching and Alignment	Tarun Abhishek Vishwanath Yenamandra
Deep Learning on Point Clouds	Param Uttarwar

Topic	Presenter
Shape Models	
Spectral Graph Matching	
Geometric Deep Learning	
Volumetric Shape Representation	
Lifting-free Convex Relaxations of Matching Problems	
Combinatorial Shape-to-Image Matching	
Functional Maps	

- We offer 3 **volunteer slots** for presenting a second topic
 - the better presentation will be counted towards your final grade
 - only **one report** needs to be written (about the topic with the better presentation)