

DeMaMech Exchange Program 2006

Personal Data



TU Berlin

Prof. Dr. Blessing

Research Topic:

Extraction of Extended Medial Surfaces from Volumetric Images for Use in CAD Systems

April 4

Sept 19

Name:

Konstantin Priesnitz

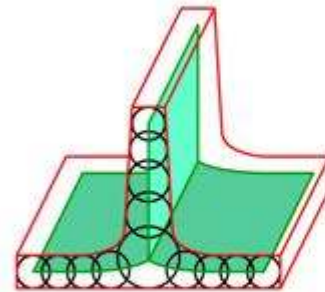
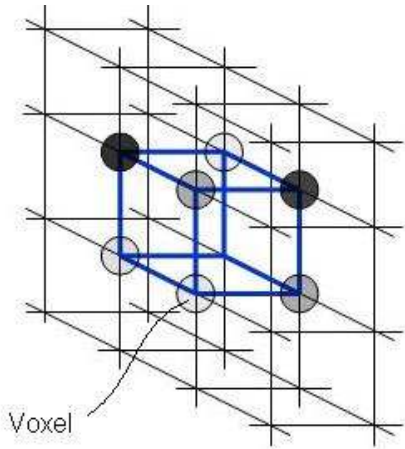
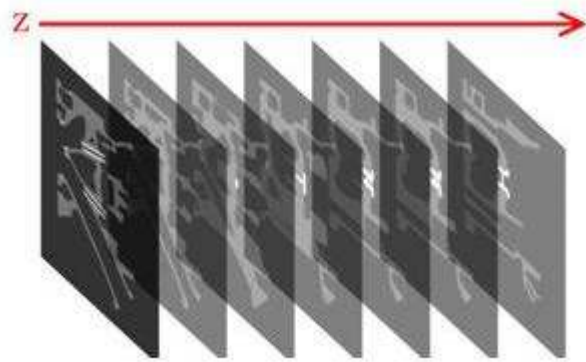


University of Tokyo

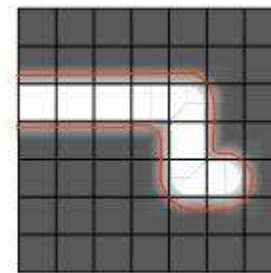
Prof. Dr. Suzuki

Research

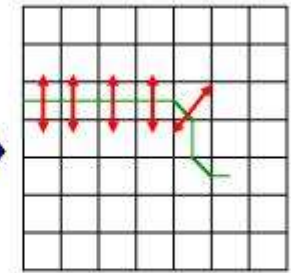
X-Ray CT Scan Data:



medial surface of
a thin plate



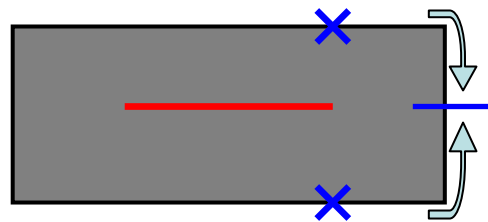
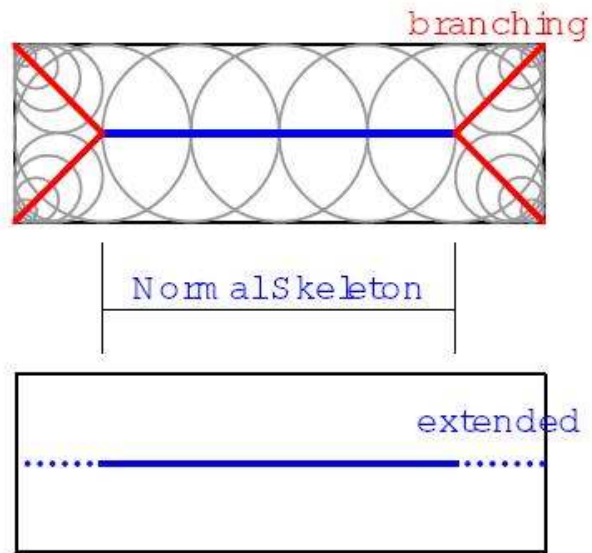
Volumetric Model
(not real image)



medial surface
thickness

- Data obtained by a CT scan
- Transformed to a surface based model
- Reduced to a medial surface object

Research



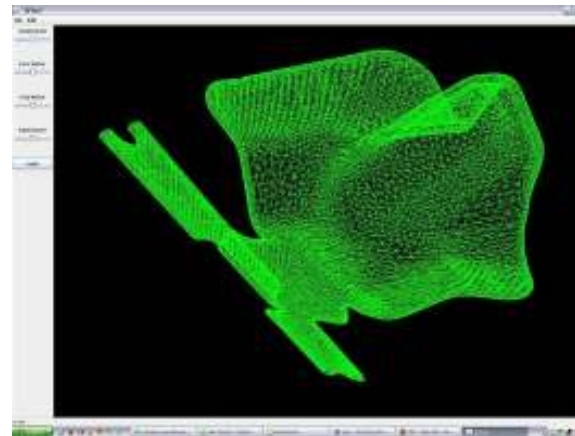
Method:

Input:

- A surface based model of the object
- The shortened medial surface

Output:

- Extended medial surface



Exchange Student Life

