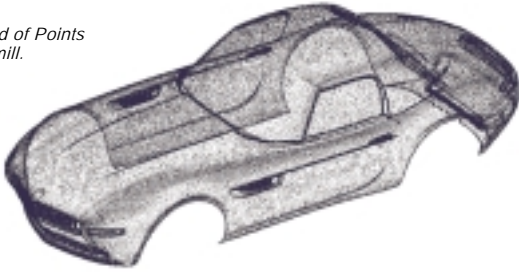




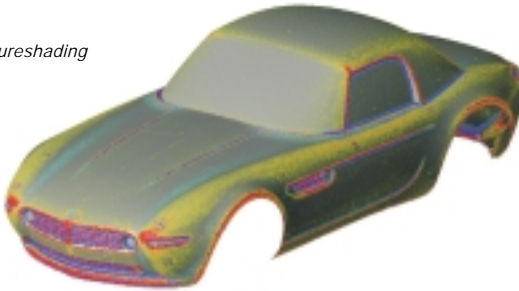
PointMaster

Modul Surfacing

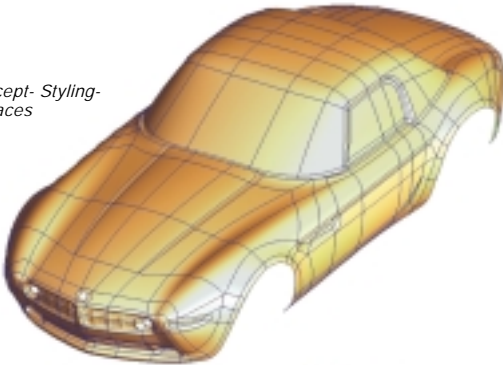
Cloud of Points
2.4 mill.



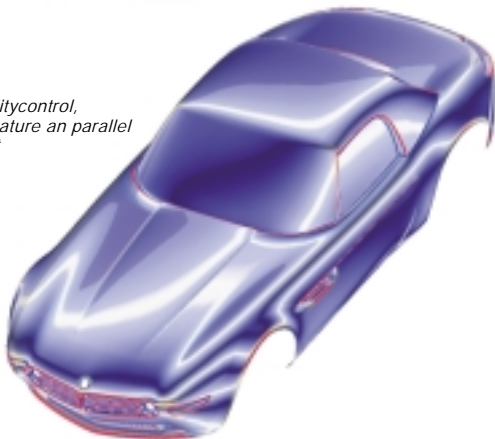
Featureshading



Concept- Styling-
Surfaces



Qualitycontrol,
Curvature an parallel
Light



Reverse Engineering - interaktive and fast-

The high quality surface reconstruction is based on polymeshs (triangulated clouds of points)

The most important features in an overview are:

- Interaktive shading of form control lines "Feature Shading"
- Automatic and manual repair of polymeshs.
- Closing of holes in a polymesh. Removal of artefacts and manual follow up treatment "Clay-Modelling"
- Reconstruction of surfaces resulting in "Concept Styling Surfaces"
- C2-Continuity over the whole formation of surfaces
- Sharp edges at manually selected edges
- Interface to other CAD-Systems, like VDAFS, IGES, SAT, STL

Simple to use:

The user sketches interactively a topological edge. The Geometry navigator of PointMaster calculates then automatically perfect curves and surfaces. All the single surfaces can be connected to C2 with only a button press. An advantage of PointMaster is the visual support. With the help of its interactive feature shading it is possible to detect artefacts and discontinuity, as well as the form controll lines that are important for the construction of the surfaces.

— **KNOTENPUNKT** —
| C-technologies

Functions



Modul

Surfacing

Fullautomatic Surfacerconstruction

Automatic approximation on clouds of points
"perfect for Toolscannes"

Automatic approximation on Polymeshs
"perfect for Finite Elemente Data"

Manual Surfacerconstruction

Perfect to get the highest quality surfaces.

Computing of "Concept Styling Surfaces"

C0- C1- und C2-Continuity..

Sharp edges

Virtual Clay Modelling (Modelling with Polymeshs)

Full automatic 3D-Triangulation

"Feature Shading

Automatic- and manual- Repair of Polymeshs

Closing of holes in a polymesh. Removal of Artefacts.

"Virtual- Clay-Modelling"

Network editing

Mirroring

Computing to polymeshs

Copying

Using as a Templates

Interfaces to other CAD-Systems

VDAFS, IGES, STL, RAW, Off



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