

Einleitung

**COMPUTERGRAFIK** 

#### **Inhaltsverzeichnis**

- 1. Einleitung
- 2. Hardwaregrundlagen
- 3. Rasterung
- 4. Polygonale Repräsentation
- 5. Transformationen
- 6. Projektionen
- 7. Viewport und Clipping
- 8. Sichtbarkeit
- 9. Beleuchtungsmodelle
- 10. Texturen

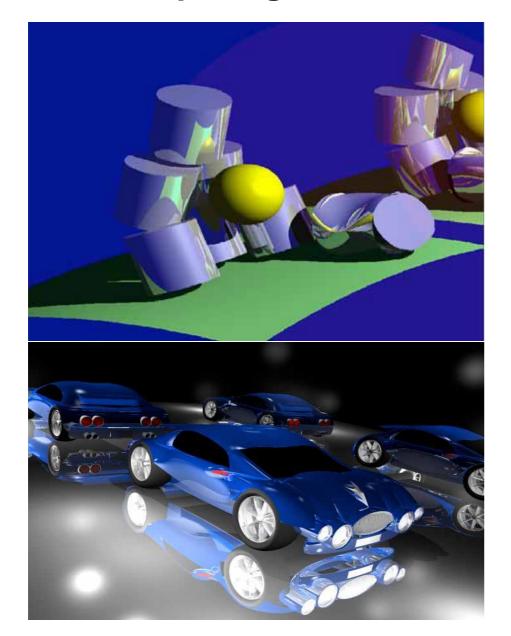
#### Literatur

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  Advanced Graphics Programming
  Using OpenGL
  Morgan Kaufmann, 2005
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  Reinhard Klein
  Graphische Datenverarbeitung I + II
  Oldenbourg, 2Bd.,1996
- Michael Bender, Manfred Brill Computergrafik Hanser 2003.

- James D. Foley, Andries van Dam, Steven K. Feiner, John F. Hughes Computer Graphics: Principles and Practice Addison-Wesley, 1990
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  Techniques
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– Real oder Virtuell?



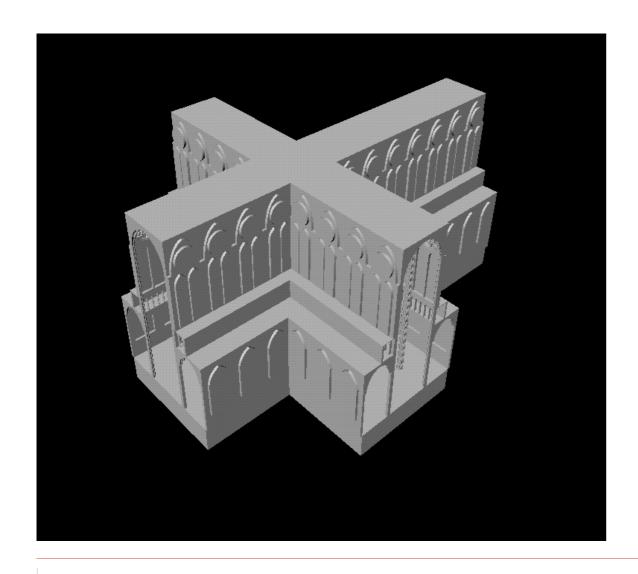


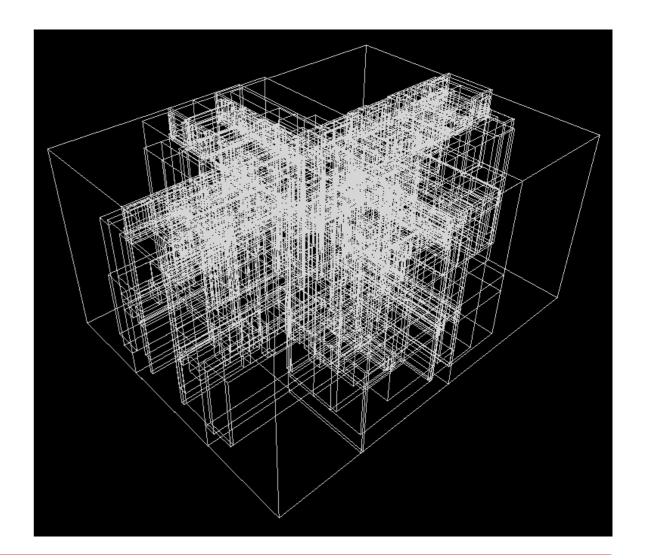


Landschaftsgeneratoren

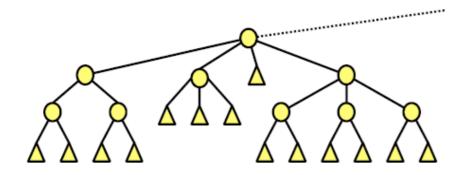


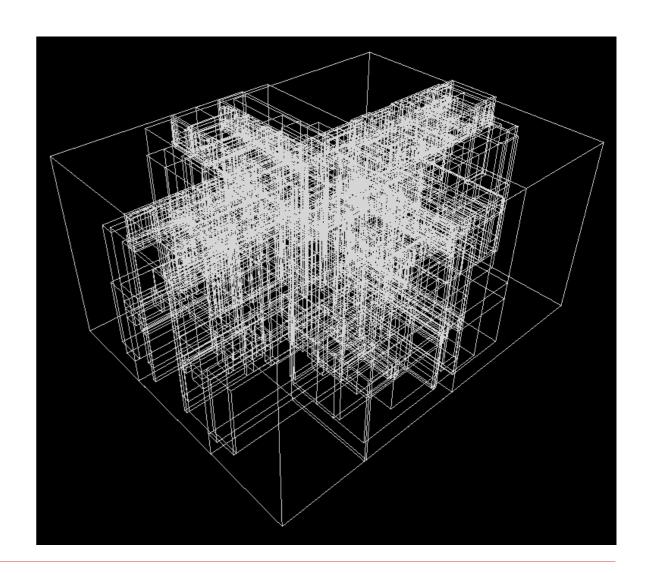
Szenenrepräsentation



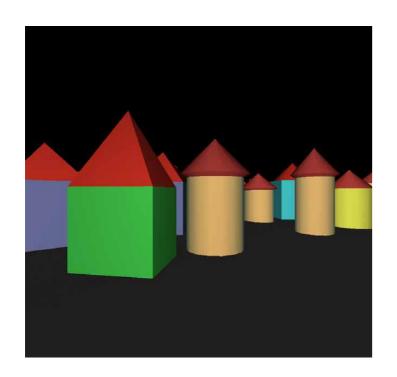


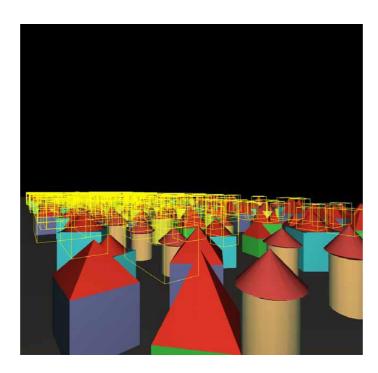
Szenenrepräsentation

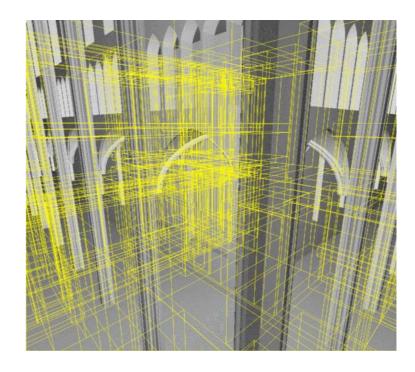




Verdeckungsrechnung



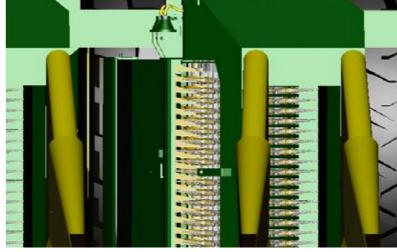




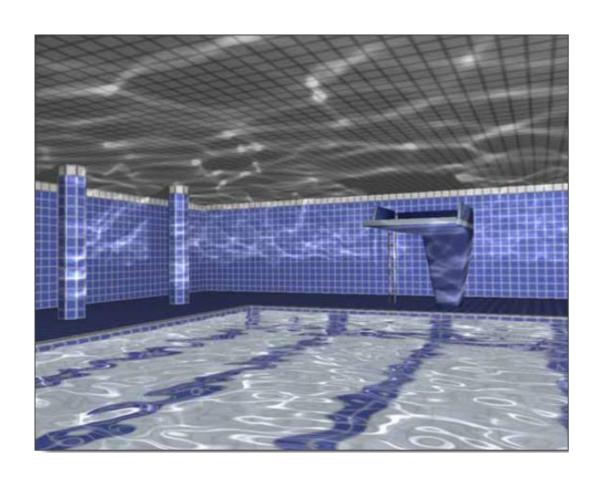
Level-of-Detail:
 Von ca. 10,5 Millionen Dreiecken werden nur 550 Tausend dargestellt.

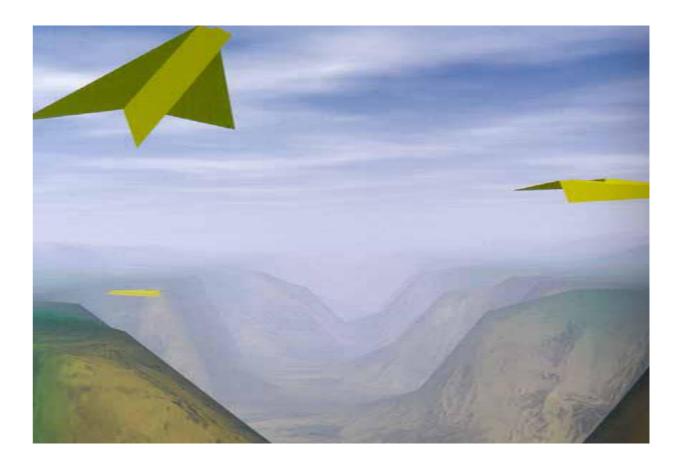




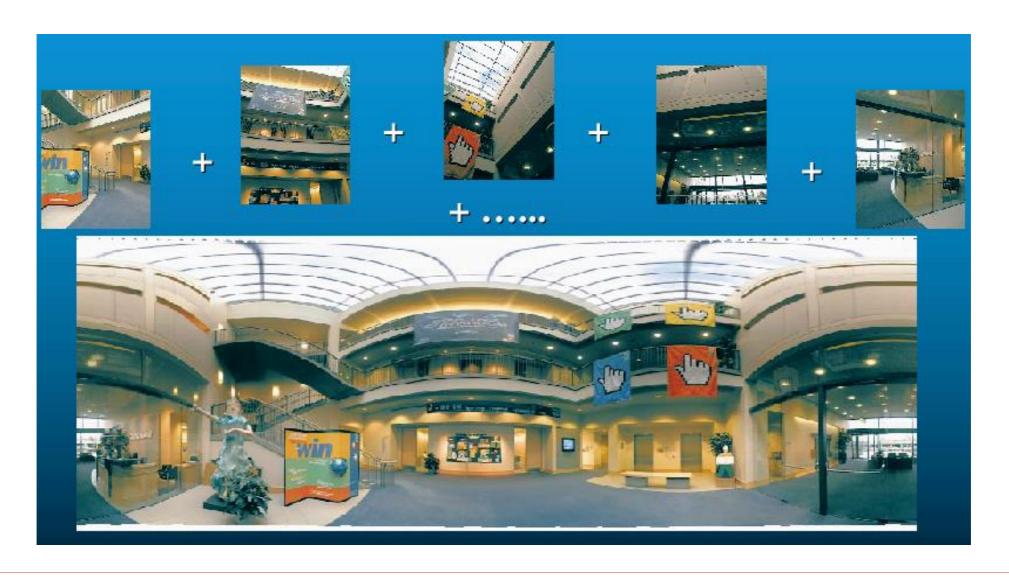


Visuelle Simulation





Bildbasiertes Rendern



UNIVERSITÄT LEIPZIG Computergraphik

Globale Beleuchtung - Raytracing



UNIVERSITÄT LEIPZIG

#### Rekonstruktion



