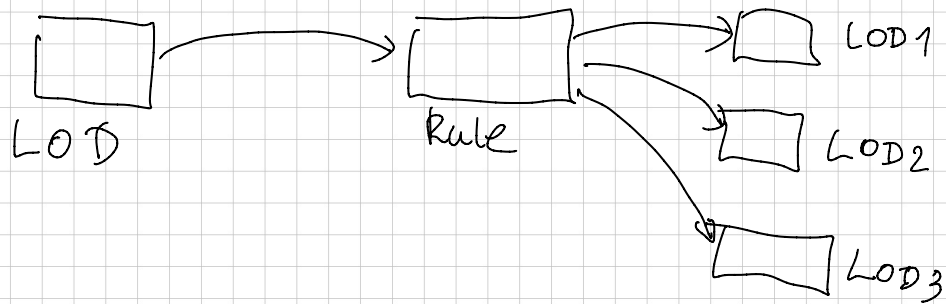


Sem. SG

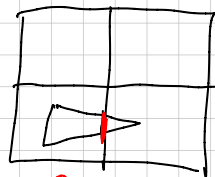
Rand. SG



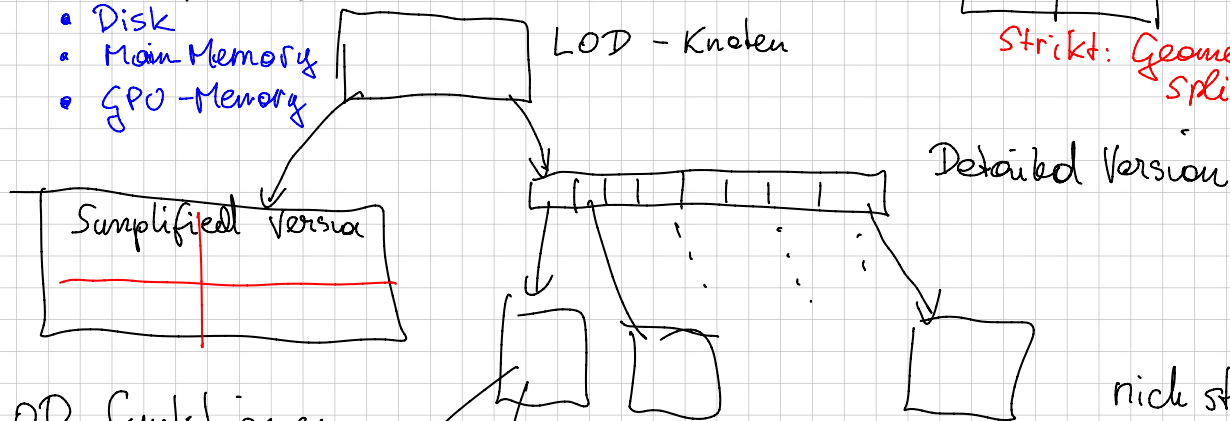
Kriterien für Umschaltung:

1. Kameraposition vs. Knotenposition
2. State of all Graphics

- Disk
- Main-Memory
- GPU-Memory



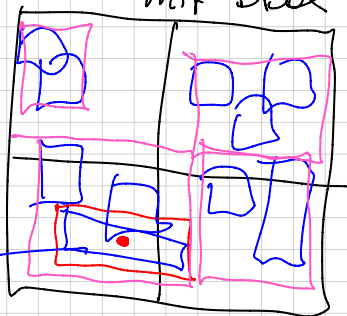
Strikt: Geometry Split

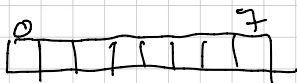
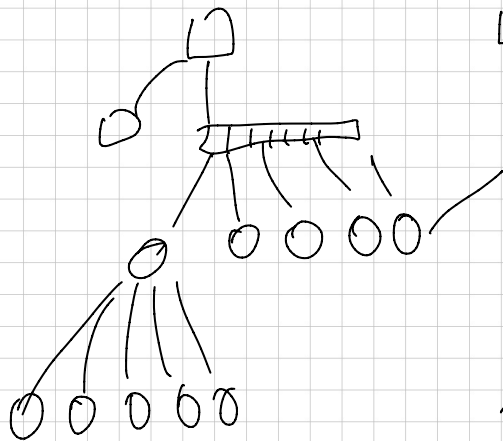


2 LOD Funktionen

1. Sichtbarkeit
umschalten
der Geometrie
von Simplified auf Detailliert
2. Triggerung von
Ladeoperation

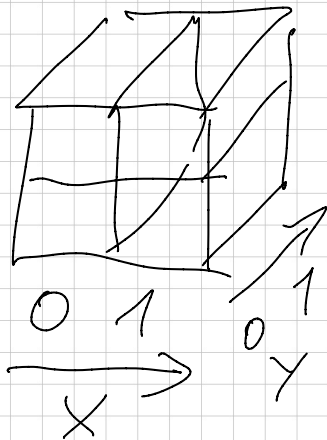
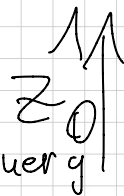
nicht strikt:
mit BBox



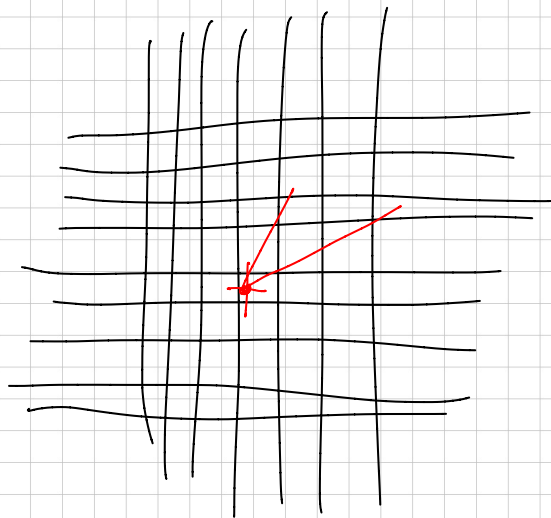
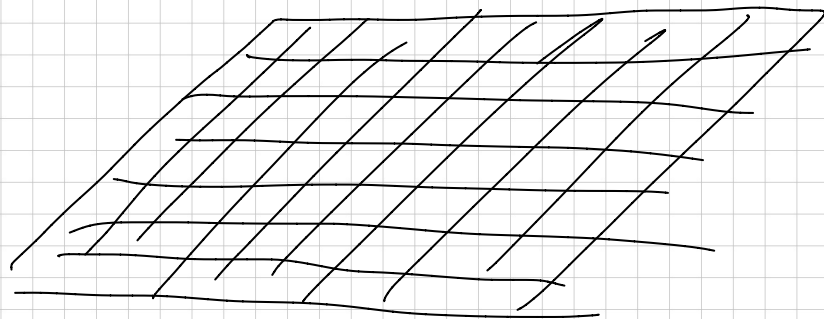


Geometry
Intersection / Query
Datenstrukturen

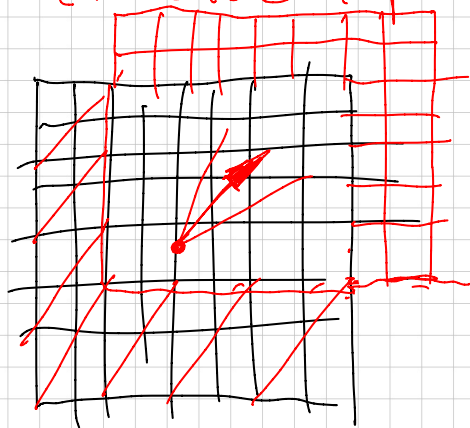
X ... 0tes bit
Y ... 1tes bit
Z ... 2tes bit

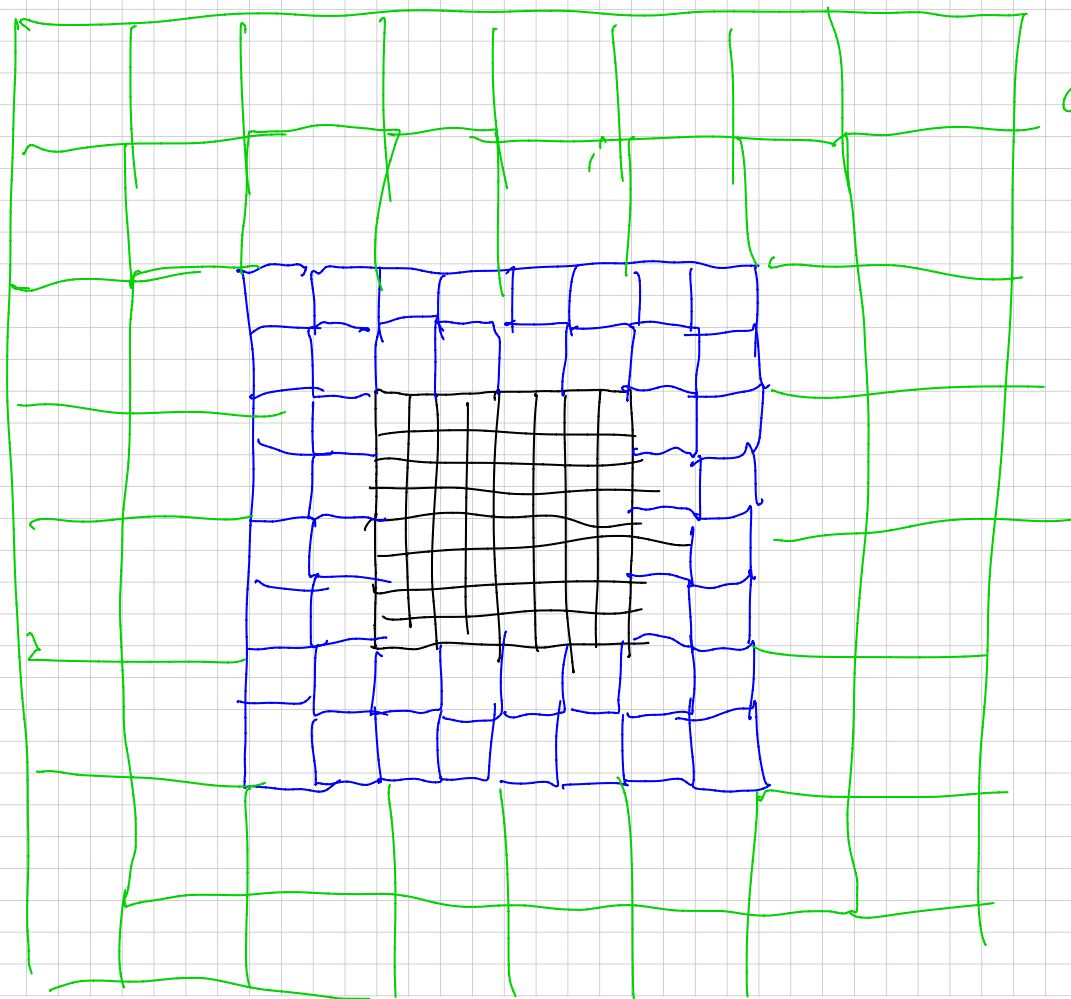


statische Geometry ... k-d Trees
dynamische Geometry ... BBox-Hierarchien



2D-Ringpuffer
(toroide Topologie)





Größtes
Level
als 1.
update

Alle Kameraberechnungen
in double auf der CPU!!!

