

2023-1 Computer Graphics 3rd week

Voxel and point cloud





https://youtu.be/bfLFcBk1sBl

Voxel and point cloud





https://youtu.be/hNyviuMBxuE

Neural rendering





https://youtu.be/DJ2hcC1orc4



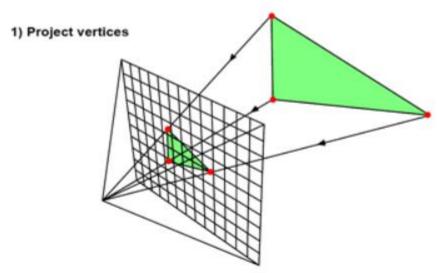
What are the pros/cons of using each representation method?



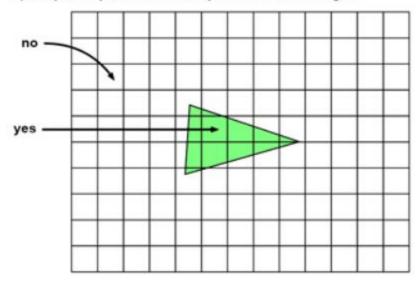
How can we find the corresponding pixels for a mesh?



Rasterization

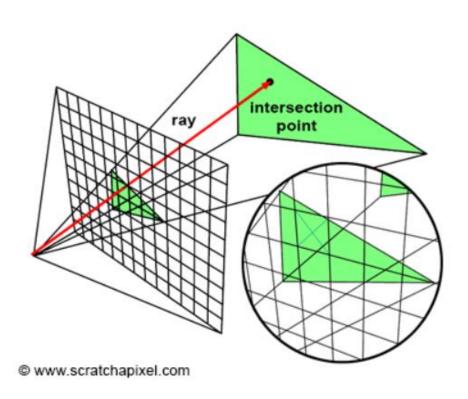


2) Loop over pixels. Does the pixel lie in the triangle?



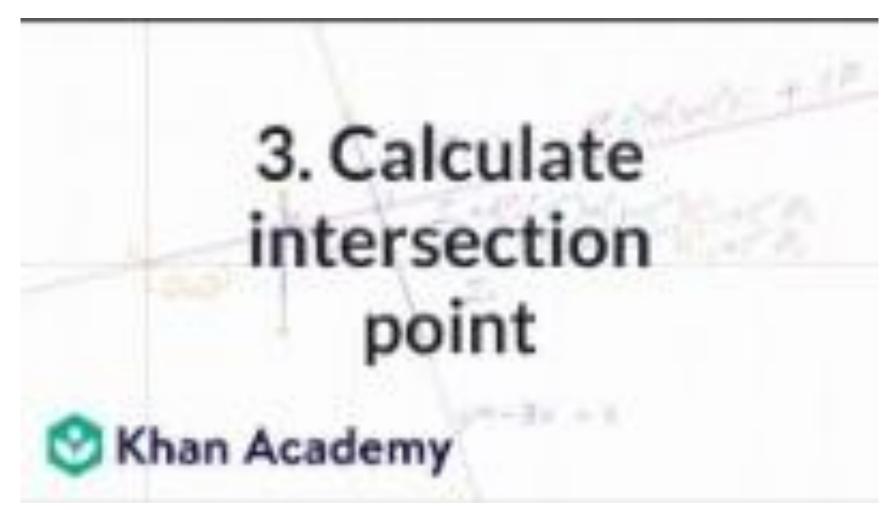


Ray casting





Ray casting



https://youtu.be/Mm7ZmL9zfpQ



Ray casting



https://youtu.be/KCSGeTdjWil



Ray casting



https://youtu.be/HjDQxAFSwEo





https://youtu.be/brDJVEPOeY8





https://youtu.be/LAsnQoBUG4Q