3-Rendering algorithms Rasterization: to vaster image. Main problem vasterization canoninal view volume Paster Caronical image VIEW Volume A major problem vasterization needs to solve is how to draw multiple triangles. Can use painters aloosithmi court handle intersecting aponetra sort then begin to pahind of z-buffer tasterization; which stores RGBA+
z/depth-value for each pixel, solves antialiasing in intersecting accomptaines by storing
multiple samples for each pixel, storing 4x
RGBA+z for example (can be other like 64x), called super sampling anti-aliasing (5594) SSAA is very neavy so we can use Multi-sampling anti-eliasing (MSAA), where we only store à single cotor for each sample group, but a différent 2-value like SSAA.

Z-buffer weeks sorting for handing transparent and a sold triangle can be rendered believed a transparent one and not be visible. 1 A-buffer rasterization can handle this batter with the tradeoff that it requires much more dynamic memory, so it's not supported cott hardware for each pixel containing depth, RGBA and coverage for each entry Friangle. Kay tracing Kasteriaution! Ray tracing: >> for each primitive for each pixel sample find pixel samples > Find closest primitive Linear memory access V Logarithmic compexity / Linear complexity x randan access memory The power of row tracing is that we can easily for calculate shadows, reflections, refractions and so on using the secondary ray. Secondary ray Primary ray Razterization can only handle primary visibility Rasterization for primary visibility, and vay being for secondary effects. But for offline rendering only ray tracing. Formse is moving towards only very tracing Rasterization com simulate secondary effects with tricks,