

Aggregate Gaussians

Single-Scale Gaussians



At 1k Iterations, aggregate small Gaussians into larger ones, and insert them into the scene.

Multi-Scale Gaussians

Scale 1x



Scale 2x



Scale 4x



⋮

Scale 2^n

Calculate pixel coverage S_k
at a given image resolution



Filter small Gaussians



Filter large Gaussians



Render all Gaussians of
appropriate size



Final Image

Update max/min pixel coverage of Gaussians from this level