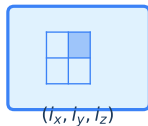
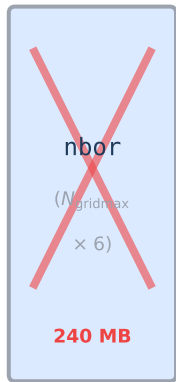


Morton key hash table replaces nbor array

Original



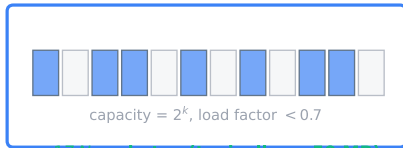
Bit interleave

$x_0 y_0 z_0 x_1 y_1 z_1 \dots$

Morton key

M (64-bit)

Per-level hash table



$\approx 17 N_{\text{grids}}$ bytes (typically < 50 MB)

igrid

$h(M)$

multiplicative hash