

Total Unallocated Memory on GPU

Static Data (CL_MEM_READ_ONLY) (Size)

F Samples ($X*Y*Z*S*SN*sizeof(cl_float4)$)
Theta Samples ($X*Y*Z*S*SN*sizeof(cl_float4)$)
Phi Samples ($X*Y*Z*S*SN*sizeof(cl_float4)$)
Brain Mask ($X*Y*Z*sizeof(unsigned\ short\ int)$)
Waypoint Mask(s) ($W*X*Y*Z*sizeof(unsigned\ short\ int)$)
Exclusion Mask ($X*Y*Z*sizeof(unsigned\ short\ int)$)
Termination Mask ($X*Y*Z*sizeof(unsigned\ short\ int)$)
Prefdir ($X*Y*Z*sizeof(cl_float4)$)

Dynamic Data (CL_MEM_WRITE_ONLY) (Size)*

Global pdf ($X*Y*Z*sizeof(unsigned\ int)$)
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2R x

Dynamic Data (CL_MEM_READ_WRITE) (Size)*

Particle Paths ($M*sizeof(cl_float4)$) (OPTIONAL)
Individual pdf ($X*Y*Z*sizeof(unsigned\ int)/32$ (binary mask)
Particle Loopcheck ($X*Y*Z*sizeof(cl_float4)/(125)$) (OPTIONAL)
Waypoint Mask Check ($W*sizeof(unsigned\ short\ int)$) (OPTIONAL)
Struct Particle ($8*sizeof(ulong) + 2*4*sizeof(float)$)
Particle Done ($1*sizeof(unsigned\ short\ int)$)

*per particle