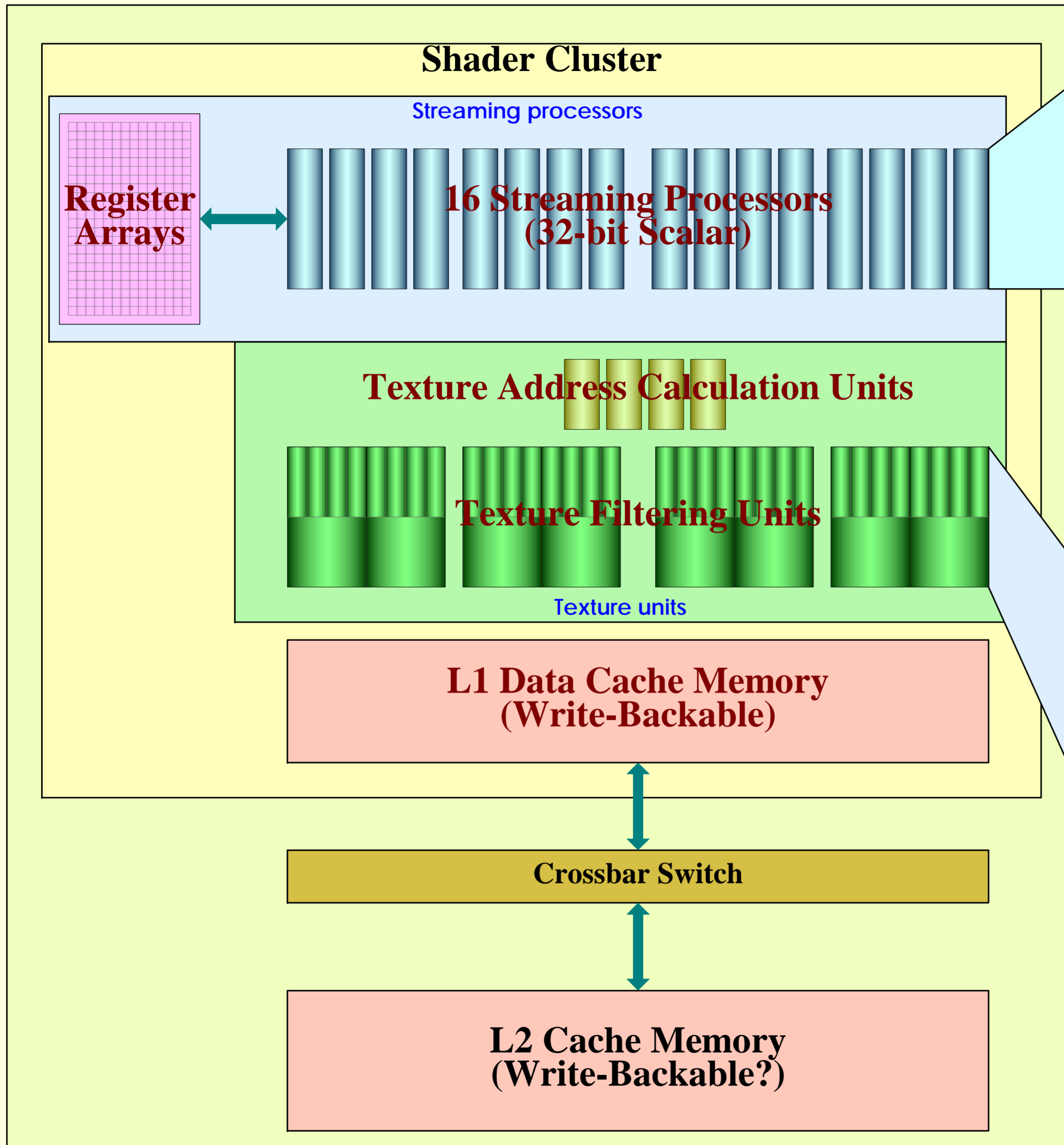
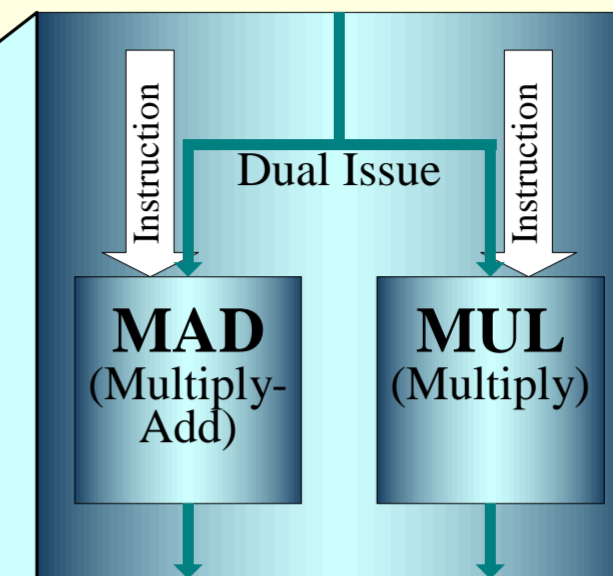


G80 Shader Cluster

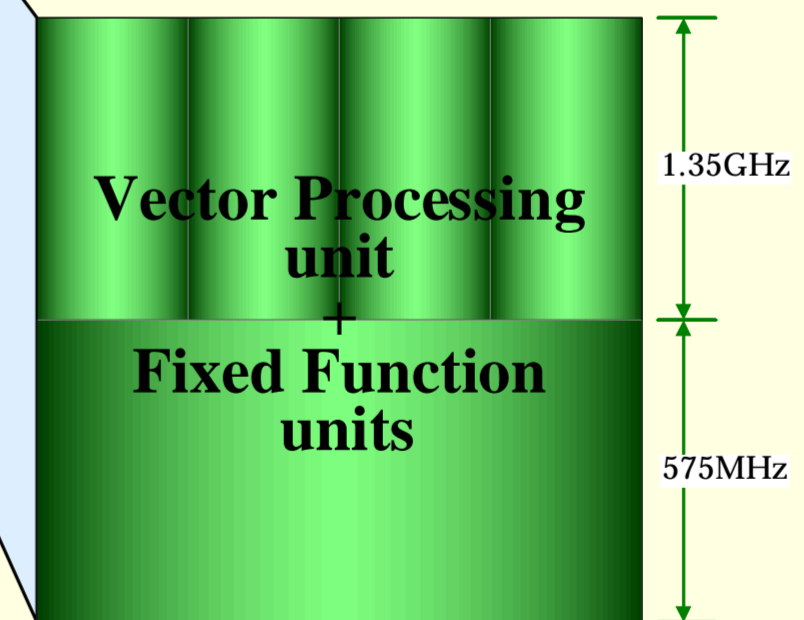


Streaming Processor



IEEE 754 Single Precision Floating Point(32-bit)
 128 Streaming Processors(16 processors * 8 clusters)
 1.35GHz
 Scalar Processor
 Dual Issue MAD(Multiply-Add)+MUL(Multiply)
 518 GFLOPS (4.05GFLOPS * 128 processors)
 Fully unified & generalized
 Fully decoupled
 Exceptional branching performance
 Streaming execution

Texture Filtering Unit



32ppc(4Units * 8 Cluster) Texture Addressing
 up to 64ppc(8pixel * 8 Clusters) Texture Filtering
 36.8 GBilerps/sec (64ppc * 575MHz)
 Optimized for HDR
 Support fp16 and fp32
 Full speed of fp16 HDR
 Full speed of Aniso (2:1)