GPU Computing Applications

Libraries and Middleware

CUFFT CUBLAS CURAND CUSPARSE	CULA MAGMA	Thrust NPP	VSIPL SVM OpenCurrent	PhysX OptiX	iray	MATLAB Mathematica

Programming Languages

C	C++	Fortran	Java Python Wrappers	DirectCompute	Directives (e.g. OpenACC)

CUDA-Enabled NVIDIA GPUs

Kepler Architecture (compute capabilities 3.x)	GeForce 600 Series	Quadro Kepler Series	Tesla K20 Tesla K10
Fermi Architecture (compute capabilities 2.x)	GeForce 500 Series GeForce 400 Series	Quadro Fermi Series	Tesla 20 Series
Tesla Architecture (compute capabilities 1.x)	GeForce 200 Series GeForce 9 Series GeForce 8 Series	Quadro FX Series Quadro Plex Series Quadro NVS Series	Tesla 10 Series
	Entertainment	Professional Graphics	High Performance Computing