

# GPU Computing Applications

## Libraries and Middleware

CUFFT  
CUBLAS  
CURAND  
CUSPARSE

CULA  
MAGMA

Thrust  
NPP

VISPL  
SVM  
OpenCurrent

PhysX  
OptiX

iray

MATLAB  
Mathematica

## Programming Languages

C

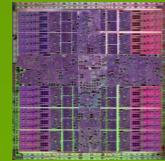
C++

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