



S05: High Performance Computing with CUDA

Welcome!

## Schedule

### Case Studies

3:30 Molecular visualization & analysis Stone  
*Direct Coulomb summation, integrating CUDA & VMD*

4:00 Molecular dynamics Phillips  
*NAMD, optimization walkthroughs, performance*

4:30 Seismic processing Deschizeaux  
*Seismic imaging, data flow, optimization, results*

5:00 Wrap!



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**Please fill out a tutorial evaluation form!**

**More Info**



<http://www.nvidia.com/cuda>

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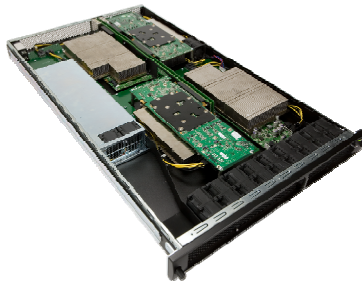
## SC07 Show Floor Specials



- Supercomputing show floor specials
- 40-50% MSRP off Tesla products



C870 – 1 GPU  
\$650



S870 – 4 GPUs  
\$4999



D870 – 2 GPUs  
\$4200

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## SC07 Show Floor Specials



- 40-50% MSRP off Tesla products
  - <http://ecommerce.pny.com>
  - Coupon "SC07"
- Then take 20% off Sun Ultra24
  - (MSRP starting \$995)
  - Quad-core, single socket, PCIe Gen2
  - <http://www.sun.com/ultra24>
  - Coupon "SC07\_Ultra24"



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