**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 7: CUDA**

**Lesson 8: CUDA Memory Model**

**References / Further Reading**

*Developed by Maria Pantoja for the Shodor Education Foundation, Inc.*

CUDA Programming Guide: <https://docs.nvidia.com/cuda/cuda-c-programming-guide/index.html>

Histogram in GPU: <https://devblogs.nvidia.com/gpu-pro-tip-fast-histograms-using-shared-atomics-maxwell/>



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*Browse and search the full curriculum at*[*http://shodor.org/petascale/materials/semester-curriculum*](http://shodor.org/petascale/materials/semester-curriculum)

*We welcome your improvements! You can submit your proposed changes to this material and the rest of the curriculum in our GitHub repository at*[*https://github.com/shodor-education/petascale-semester-curriculum*](https://github.com/shodor-education/petascale-semester-curriculum)

*We want to hear from you! Please let us know your experiences using this material by sending email to* [*petascale@shodor.org*](mailto:petascale@shodor.org)