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

**Unit 8: OpenACC**

**Lesson 1: Accelarating Scientific Applications**

**References / Further Reading**

*Developed by R. Phillip Bording for the Shodor Education Foundation, Inc.*



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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)

a.  [PGI Community Edition](https://developer.nvidia.com/openacc-toolkit)

b.  [OpenACC courses by PGI Community](https://developer.nvidia.com/openacc/3-steps-to-more-science)

c.  [OpenACC Organization Recommended Resources](https://www.openacc.org/resources)

d.  [OpenACC Programming and Best Practices Guide](https://www.openacc.org/sites/default/files/inline-files/OpenACC_Programming_Guide_0.pdf)

Pebble References:

<https://en.wikipedia.org/wiki/Acoustic_wave>

Seismic Modeling and Imaging with the Complete Wave Equation, SEG Course Notes Series, No. 8.

Ralph Phillip Bording and Larry R. Lines

<https://en.wikipedia.org/wiki/Fortran>

<https://www.open-mpi.org/>

<https://computing.llnl.gov/tutorials/openMP/>

<https://www.openmp.org/resources/tutorials-articles/>

<https://www.openacc.org/>

<https://en.wikipedia.org/wiki/OpenACC>

<https://en.wikipedia.org/wiki/RGBA_color_model>