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

**Unit 9: Optimization**

**Lesson 1: Cache Efficient Matrix Multiplication**

**References / Further Reading**

*Developed by* *Paul F. Hemler 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)

<https://mathworld.wolfram.com/BlockMatrix.html>

<https://www.cs.rochester.edu/~sandhya/csc252/lectures/lecture-memopt>

<https://sites.cs.ucsb.edu/~tyang/class/240a17/slides/Cache3.pdf>