OpenACC Course

Office Hour 1: Introduction to OpenACC

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Course Syllabus

Oct 1: Introduction to OpenACC

Oct 6: Office Hours

Oct 15: Profiling and Parallelizing with the OpenACC Toolkit

Oct 20: Office Hours

Oct 29: Expressing Data Locality and Optimizations with OpenACC

Nov 3: Office Hours

Nov 12: Advanced OpenACC Techniques

Nov 24: Office Hours

Recordings:
https://developer.nvidia.com/openacc-course

Answered Questions and Recordings

https://developer.nvidia.com/openacc-course

Questions from the last class

Q1: What's the basic difference between CUDA and OpenACC? OpenACC and OpenMP?

Q2: What OS is supported by OpenACC Toolkit? PGI Compiler?

Q3: Is PGI the only OpenACC compiler available?

Q4: Can libraries be used with OpenACC?

Q5: Does OpenACC support multiple GPUs?

Q6: Does OpenACC use shared memory in a proper way? Distributed memory?

Q7: What is the difference: matlab with parallel tool box and openacc?

Q8: how many dimensions does OpenACC support in calculating vectors?

Q9: Can two applications run in parallel on GPU that is optimized with OpenACC?

Q10: how many kernels I can generate ? Is there limitation?

Where to find help

- OpenACC Course Recordings and Q&A - https://developer.nvidia.com/openacc-course
- OpenACC on StackOverflow - http://stackoverflow.com/questions/tagged/openacc
- OpenACC Toolkit - http://developer.nvidia.com/openacc

Additional Resources:

- Parallel Forall Blog - http://devblogs.nvidia.com/parallelforall/
- GPU Technology Conference - http://www.gputechconf.com/
- OpenACC Website - http://openacc.org/

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