

University GPU Club

Tues 23 July 2013

10:30: NVIDIA GPU Technology

11:30: MATLAB – the challenges involved in providing a high level language on a GPU

12:30: lunch

Afternoon: appointments

<http://gpu.manchester.ac.uk>

GPU Resources

- CSF
 - Latest NVIDIA K20s
 - A number of NVIDIA M2070 & M2050s
 - Some with InfiniBand interconnect
- On campus
 - MATLAB Parallel Computing Toolbox
- EMERALD (e-Infrastructure South)
 - 372x NVIDIA M2090s (3 or 8 GPUs per node)

GPU Training

- IT Services Training Programme
 - OpenCL modules
 - Basics / Host in-depth / Queues
 - Bookable via Training Catalogue
- Nationally
 - Online NVIDIA resources
 - MathWorks forum
 - NAG F2F

GPU Community Update

University GPU Club

- When do GPUs give high performance?
- How to compare and measure?
- Share lessons & discuss emerging tech

- Community driven... (ie you!)

- Next meetings:
 - Weds 2 Oct: HPC Finance using GPUs (MBS)
 - Nov: John Michalakes: GPUs & Met (CAS)

Further Information

GPU:

its-research@manchester.ac.uk or

usual faculty helpdesk

MATLAB:

applicationsupport-eps@manchester.ac.uk

<http://gpu.manchester.ac.uk>