**Serial GPU:**

[ylu149@scc-k09 HW8]$ ./hw8

Dense MMM tests

Doing MMM three different ways,

for 1 different matrix sizes from 1024 to 1024

This may take a while!

Biggest difference:

serial: 2499874.000000, gpu: 2499874.000000

True/False: 1

Total gpu overhead: 0.136784

row\_len, ijk\_cpu, GPU\_Serial

1024, 6.337984, 0.000042

Wakeup delay computed: 1.00571

[ylu149@scc-k09 HW8]$ ./hw8

Dense MMM tests

Doing MMM three different ways,

for 1 different matrix sizes from 2048 to 2048

This may take a while!

Biggest difference:

serial: 4925191.000000, gpu: 4925191.000000

True/False: 1

Total gpu overhead: 0.160686

row\_len, ijk\_cpu, GPU\_Serial

2048, 52.796551, 0.000043

Wakeup delay computed: 1.00571

**GPU SHARED:**  
[ylu149@scc-k09 HW8]$ ./hw8

Dense MMM tests

Doing MMM three different ways,

for 1 different matrix sizes from 2048 to 2048

This may take a while!

Biggest difference:

serial: 5097319.000000, gpu: 5097319.000000

Total gpu overhead: 0.152987

row\_len, ijk\_cpu, GPU\_Shared

2048, 50.720207, 0.000016

Wakeup delay computed: 1.00571

[ylu149@scc-k09 HW8]$ ./hw8

Dense MMM tests

Doing MMM three different ways,

for 1 different matrix sizes from 1024 to 1024

This may take a while!

Biggest difference:

serial: 2441270.000000, gpu: 2441270.000000

Total gpu overhead: 0.137420

row\_len, ijk\_cpu, GPU\_Shared

1024, 6.424279, 0.000014

**GPU unrolled factor of 16:**

[ylu149@scc-k09 HW8]$ ./hw8

Dense MMM tests

Doing MMM three different ways,

for 1 different matrix sizes from 2048 to 2048

This may take a while!

Biggest difference:

serial: 4994561.000000, gpu: 4994561.000000

True/False: 1

Total gpu overhead: 0.153080

row\_len, ijk\_cpu, GPU\_Serial

2048, 53.187590, 0.000013

[ylu149@scc-k09 HW8]$ ./hw8

Dense MMM tests

Doing MMM three different ways,

for 1 different matrix sizes from 1024 to 1024

This may take a while!

Biggest difference:

serial: 2479593.000000, gpu: 2479593.000000

True/False: 1

Total gpu overhead: 0.131514

row\_len, ijk\_cpu, GPU\_Serial

1024, 6.274757, 0.000013

Wakeup delay computed: 1.00571