

Some snow Examples

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Simple Examples

- 10 second sleep on each node:

```
> system.time(clusterCall(cl, Sys.sleep, 10))
  user  system elapsed
0.025   0.001  10.019
```

- Parallel qtukey evaluation:

```
> x<-1:100/101
> system.time(qtukey(x, 2, df=2))
  user  system elapsed
3.661   0.000   3.662
> system.time(parLapply(cl, x, qtukey, 2, df=2))
  user  system elapsed
0.007   0.000   0.436
```

Timings are uneven across nodes.



Simple Matrix Multiply

- The current **parMM** computes AB on p nodes by
 - partitioning A into p blocks of rows A_1, \dots, A_p
 - computing $A_i B$ on node i
- This sends one block of A and all of B to each node.
- Communication increases linearly in p .
- Using too many nodes will slow the computation down.