Pmd.c

If even:

Send

Recv

Else if odd:

Recv

Send

Else(self)

Memory copy

Pmd\_recv.c

MPI\_Irecv()

MPI\_Send()

MPI\_Wait()

Code changeds

Atom\_copy()

Atom\_move()

Computation communication overlap

MPI\_Irecv()

Do some computation

MPI\_Send()

MPI\_Wait()

Mpicc -O -o pmd pmd.c -lm

Pmd\_irecv pmd\_irecv.c

In -> 3 3 3 0.8 1.0 0.005 1000 1001

Mpicc -O -o pmd pmd.c -lm

Salloc -n 16 -t 10

Mpirun -np 16 ./pmd

Mpirun -np 16 ./pmd\_irecv

Mpirun -np 16 ./pmd\_split

Mpicc -O -o pmd\_split pmd\_split.c -lm

Salloc -n 16 -t 10

Srun -n 16 ./pmd\_split

Ls -lt

source /usr/usc/openmpi/default/setup.sh

mpicc -o global global.c

ls

sbatch global.sl

squeue -u anakano

more global.out