

MPI Derived Data Types

Sending data not contiguous in memory

Constructors

- `mpi_type_dup`
- `mpi_type_contiguous(count, oldtype, newtype, ierror)`
- `mpi_type_vector(count, blocklength, stride, oldtype, newtype, ierror)`; using `blocklength=2` does not send two rows
- `mpi_type_hvector`; deprecated, don't use
- `mpi_type_create_hvector`; probably will never use
- `mpi_type_indexed(count, arrayOfBlockLengths, arrayOfDisplacements, oldtype, newtype, ierror)`
- `mpi_type_indexed_block`
- `mpi_type_hindexed`
- `mpi_type_create_struct(count, arrayOfBlockLengths, arrayOfDisplacements, arrayOfTypes, newtype, oldtype, ierror)`

Schedule

Week before finals...

1. Tuesday: written final exam
2. Thursday: start semester project presentations (20 minutes each)

We will have more presentations Friday and maybe Monday of finals week. The written portion is due Wednesday at 5pm in 217 Durham.