

Collective routines

- `mpi_barrier`
- `mpi_bcast` (called identically on all processors)
- `mpi_gather` (gathers data from all procs in comm and stores it into the recv buffer on the root proc)
- `mpi_all_gather` (use instead of `mpi_gather` -i `mpi_bcast`)
- `mpi_all_gatherV` (no root)
- `mpi_scatter` (send columns of matrix to processors, inverse of gather)
- `mpi_scatterV` (inverse of gatherV)
- `mpi_alltoall` (sendbuf, sendcount, datatype, recvbuf, recvcount, recvtype, comm, error)
- `mpi_alltoallV`
- `mpi_reduce`