```
MPI code in C for clusters - intel.com/go/mpi
for (d=1; d<ntasks; d++) {
  rows = (d <= extra) ? avrow+1 : avrow;
  printf(" sending %d rows to task %d\n", rows, dest);
  MPI_Send(&offset, 1, MPI_INT, d, mtype, MPI_COMM_WORLD);
 MPI Send(&rows, 1, MPI INT, d, mtype, MPI COMM WORLD);
 MPI Send(&a[offset][0], rows*NCA, MPI DOUBLE, d, mtype, MPI COMM WORLD);
 MPI Send(&b, NCA*NCB, MPI DOUBLE, d, mtype, MPI COMM WORLD);
 offset = offset + rows;
```

```
Matrix Multiply in Fortran using Intel* Math Kernel Library - intel.com/software/products
call DGEMM(transa,transb,m,n,k,alpha,a,lda,b,ldb,beta,c,ldc)
```

##