

Timing Function in MPI

- C: `double MPI_Wtime(void);`
- Fortran: `DOUBLE PRECISION MPI_WTIME()`
- The elapsed (wall-clock) time between two points:

```
double t1, t2;
t1 = MPI_Wtime();
... work to be timed ...
t2 = MPI_Wtime();
printf( "Elapsed time is %f\n", t2 - t1 );
```

```
real(8) :: t1, t2
t1= MPI_Wtime ( )
... work to be timed ...
t2 = MPI_Wtime ( )
Print*, 'Elapsed time is', t2-t1
```

- `MPI_Wtick()`: Returns the number of seconds between processor clock ticks.