
PARALLEL CODE : INTRODUCTION

PARALLEL CODE:

- Multiple processors
- Distributed memory

THINGS THE CODE NEEDS/USES:

- f90
 - Fortran 90
- MPI
 - Message Passing Interface
- cpp
 - C language preprocessor
 - used to set machine specific stuff
- m4
 - general purpose macro processor
 - used to create generic communication tools
- cvs
 - Concurrent Versions System
 - revision controlled files

PARALLEL DESIGN:

- Optimise single processor performance
- Communication between processors:
 - MPI
 - Makes use of shared memory options when available and when optimal (T3E)
- I/O
 - cached to dedicated extra I/O processors
 - no parallel I/O interfaces currently available and working