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