

PGI Accelerator

This is a simple implementation of a matrix-matrix multiplication in Fortran.

A for loop in Fortran is called a do loop and it has the form

```
do i=1, 5
...
end do
```

The variable *i* takes the values 1, 2, 3, 4, 5. The first element of an array *A* is usually *A*(1).

Todo

1. Run `make cpu` to compile the CPU version of the code
2. Open the file `mm.f90` and insert the PGI Accelerator directives.
3. Run `make acc` to compile your changed code.
4. Run the programs. How fast are the codes? How many GFLOP/s do you get? Are those good values?

If you are having problems make sure that you are running the programs on a node with GPUs.

Extra credit

Rewrite the program in C.