Running CYMA2DV with gfortran compiler on Linux system

- Download the package source file CYMA2DV.tgz from MEDOC website : https://idoc.ias.u-psud.fr/MEDOC/Radiative transfer codes
- (**gfortran** compiler is required)
- Unpack the package by typing the following linux command :
  tar -xvzf CYMA2DV.tgz
- Go to the folder CYMA2DV :
  cd CYMA2DV
- The folder contains the following files: intinc.dat, tembri.dat, paramod.dat, makefile, cyma2dv.f90, visu.f90
- The file to modify is ``paramod.dat"
- Run the code by typing :
  make
  ./cyma2dv
- The ouput files are: cc2dhyv.log (iteration message), resu2dv.dat (emergent intensities for plotting line profiles), popc2dv.dat (hydrogen level populations), fort.8 (CPU time)
- The folder **results** contains the output files corresponding to a test case to be able to check if your results are good
- To visualize resuts, use the following program visu.f90 by typing :
  gfortran -o visu visu.f90
  ./visu
  The output file is **cosbovi.ps**

Martine Chane-Yook