

Fourier-Chebyshev 2D Barotropic Model

Fast Fourier Transform (FFT) is used in the East-West direction, and Chebyshev spectral method is used in the North-South direction. The `binary_benchmark` directory is the Fortran codes and could be executed on Linux system. `llming.m` is the Matlab plot program. The model settings right now is in *low resolution* for quick test. It will be very easy to change the simulation resolution in `comdeck.for` and `barot.f`. A binary vortex interaction experiment is given as an example according to Kuo et al. (2004). The concentric eyewall pattern will be obviously simulated in high resolution run.

Have fun!

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