

Mesoscale Meteorological Modeling: Spring 2008

Homework #6, Quiz #2

Pick one of the parameterization schemes available in the WRF model and diagram its code. *You will need to look at the Fortran code for this assignment—not just the documentation in the literature.* Your discussion should include: inputs and outputs to the scheme, dependent and independent variables, how many “levels” it takes to reach closure, and advantages/disadvantages to use of the scheme. I have provided an example template for this using the Kuo convective parameterization scheme as implemented in RAMS.

You may choose whatever scheme you like. I would encourage you to pick one that fits with your research interests and/or relates to your final term project.