Dear group members,

The attached file MJO_model.rar is the **Matlab** code of Schubert and Masarik (2006). This paper analyses the analytic solutions of an idealized moving heating on (near) the equator and decomposes the total solution into Rossby wave, Kelvin wave, and gravity wave components. The codes also calculate the energy analysis of MJO, which is not shown in this paper.

This model is very-well documented. Matthew (the 2nd author) is interested in programming, and he is very good in it. When someone starts to run this code with Matlab, it turns into a very friendly and easy interactive running process.
I am so impressed by this model !
I think our group could play with it.

I have written a plot program (plot_llming.m) which can be found in the directory to read the output data and draw preliminary figures, but it still needs some efforts.

Best,
Yu-Ming