The GIMF Crib Sheet

GIMF is the International Monetary Fund's **G**lobal **I**ntegrated **M**onetary and **F**iscal model.

Besides this two-pager there are:

1) four documents (StartingWithFame.pdf, GIMFnaming.pdf, and RunningGIMF.pdf, GIMFTechnicalApprendix.pdf) to –
    a. start you on FAME
    b. outline the naming conventions in GIMF
    c. a reference guide to the most important GIMF program, driver.inp
    d. a reference guide to all the theory and mathematics behind GIMF
2) the zip file GIMFwTROLLandFAME.zip, containing the four video presentations on GIMF – the model code, and using the driver file to calibrate and simulate the model. Run each video from its associated HTML file in an internet browser.
3) the zip file GIMF.zip, which contains two driver files, nine other program files, one subdirectory, and one utility file (troll.inp) necessary to start with GIMF.

How to Set Up

Let's assume you have TROLL, FAME and a Postscript file viewer (such as ghostview / ghostscript) installed on your computer.

1) Create on your c:\ drive the directory c:\models
2) Unzip GIMF.zip into c:\models. This will create the directory c:\model\GIMF
3) Go into c:\models\GIMF where you will find the file troll.inp. Move it to c:\models
4) Go into c:\models\GIMF again. You will find the subdirectory macro\. Move it into c:\models so as to create c:\models\macros
5) Call TROLL from your Start Menu or desktop. In the first window that appears –
    a. in the second section called "Working directory" enter "c:\models\gimf".
    b. in the third section called "Command argument", put in the command "c:\models\troll".

You are now ready to begin! You can enter TROLL and load up the driver file. If you want more information on the driver file before starting, watch the videos. The other written material is just for reference.

NOTE 1: If you are not using c:\models, but some other directory, you must edit the reference in driver.inp to c:\models\macro

The Training Videos for GIMF

Once you unzip GIMFwTROLLandFAME.zip into a directory, there will be four training videos that you can watch from GIMFwTROLLandFAME.html:

1) The GIMF Model: Introduction (explores the model file itself)
2) GIMF: Using the Driver File, Part 1 (set up to use the model)
3) GIMF: Using the Driver File, Part 2 (calibrating the model)
4) GIMF: Using the Driver File to Simulate the Model (running shocks)

Which Model to Use?

There are two models, one in *driver.inp*; the other in *driverfin.inp.*
driver.inp is a two sector model (tradables and nontradables), and is the recommended version when starting with GIMF.
driverfin.inp contains the BGG financial accelerator mechanism – it is highly experimental and not recommended for beginners.

GIMF Output

When the U.S. temporary investment shock is run, the following is produced:

In *c:\models\gimf* – start.db, startss.db, ss1.db, ss2.db, ss3.db, ss4.db, ss.db; .PRG files; rough graphs; TROLL model files (.mod); text file print-outs of the steady-state (ssgimf.inp) and dynamic (gimf.inp) models.

c:\models\gimf\tempgraphs is a working directory that can be ignored.

In *c:\models\gimf\CANUS* – reportss.inp; subdirectories data and CANUS.

In c*:\models\gimf\CANUS\data* – five databases, for which the control database is einv_us_none_con.db, and the shock database is einv_us_none.db.

In *c:\models\gimf\CANUS\EINVUS* – reportss.inp for this shock; 16 numbered graphs each for Canada and the United States; two types of summary graphs prefixed with "0_"; fullpack_CA.ps and fullpack_US.db (all the graphs together); tables.ps tabling results for all countries; the long\ and medium\ subdirectories; a PDF\ subdirectory.

In *c:\models\gimf\CANUS\EINVUS\medium* – all the graphs over a medium term horizon.

In *c:\models\gimf\CANUS\EINVUS\long* – all the graphs over for the length of the dynamic model simulation.

In *c:\models\gimf\CANUS\EINVUS\PDF* – single-page PDF graphs of the survey, consumption, labor, and fiscal variables for both Canada (CA) and the United States (US).