

## Graphs Garcia-Cicco and Garcia-Schmidt: "Revisiting the Exchange Rate Pass Through: A General Equilibrium Perspective"

First you need to download all in a folder (call it "Main"). In that folder, create folders called "BaselineModel" and "BigModel" and inside each create folders called "mats".

You need to run the dynare mods of each version first and then use the files mentioned at the bottom of this document to do the graphs.

The different versions are obtained by changing an option at the start of the mod file. When one of the versions is active (number different than zero), all others have to be in zero.

### Folders:

<p>0. Models that need to be run to (save in /BaselineModel/ ) versions</p>	<p>BASELINE MODEL</p> <p>TNT_May20.mod</p> <p>TNT_May20_steadystate.m</p> <p>stoch_simul_para_t.m</p> <p>interest rate for some periods (called from the last part of the mod file when active).</p>	<p>Mod file that runs basic model Has options for the alternative</p> <p>Steady state of previous Runs the versions that fix the</p>
<p>Data: (save in /BigModel/GenerateData/ ) and does all necessary changes)</p> <p>Seasonal Filtering (available in File Exchange of Mathworks)</p>	<p>BIG MODEL</p> <p>BaseBigTNTMay20.xlsx</p> <p>create_data_BigTNTMay20.m</p> <p>TNT_Big_May20.mod</p> <p>TNT_Big_May20_steadystate.m</p> <p>read_data_May20.m</p> <p>data_to_estim_BigTNTMay20.mat</p> <p>create_data_BigTNTJan20.m)</p> <p>TNT_Big_May20_mode_ok.mat</p> <p>stoch_simul_para_t.m</p> <p>interest rate for some periods (called from the last part of the mod file when active).</p>	<p>RawData</p> <p>Creates data (adjusts seasonally</p> <p>Needs the X-13 Toolbox for</p> <p>Dynare model to run Big Model</p> <p>Steady state of previous Needed to read data Data to run model (created by</p> <p>Mode found and saved Runs the versions that fix the</p>

Tables: (save in /BigModel/ )  
in codes below.

loc.m

Function to find a location. Used

doing\_moments.m

Saves the table of moments

Function used in previous to

%%%

BOTH MODELS

%%%

To do the graphs (there is an option for each one that is commented out and needs to be active to do each graph).

(Save in principal folder "Main")

## 1. Variance Decomposition decomposition

doing\_var\_decomp.m

Saves the table of the variance

previous.

loc.m

Function to find a location. Used in

## 2. IRFs:

doing\_irfs.m

File to graph the irfs

calculations and graphs

plots\_for\_dynare.m

Called by previous and does the

### 3. Conditional ERPTs

doing\_cond\_ERPT.m

File to graph the conditional ERPTs

calculations and graphs

plots\_cond\_ERPT.m

Called by previous and does the

#### 4. Unconditional ERPTs:

a. UERPT\_M:

method M

doing\_uncond\_ERPT\_M.m

File to graph unconditional ERPTs given

plots\_uncond\_ERPT\_M.m

Called by previous and does the

calculations and graphs

a. UERPT\_PV:

method PV

doing\_uncond\_ERPT\_PV.m

File to graph unconditional ERPTs given

```
plots uncond ERPT PV.m
```

Called by previous and does the

calculations and graphs