

Here we show that the steady-state distribution of permanent income in a small open economy like the one described above.

If  $p = \log \mathbf{p}$  is the log of permanent income and  $\gamma = \log \Gamma$  is the growth rate, the process is:

$$\log \mathbf{p}_{t+1} = \gamma + \mathbf{p}_t + \psi_{t+1} \tag{1}$$

where  $\psi \sim \mathcal{N}(\$

## 0.1 The Steady-State Distribution of Permanent Income