





- Recently there has been a wide discussion of introducing a common currency (CC) for East Asia, which is motivated by the following factors:
- The recognition of the vulnerability of the unilateral dollar-peg regime after the Asian crisis 1997-98
- The rapidly-prevailing economic integration in the region
- The successful launch of the euro in Europe







This paper (1)

- Gives an explicit definition of the concept 'difference in development stages' by looking at the differences in sectors between the countries.
- Based on that, builds a theoretical model that is suitable to analyze the effects and the transmission mechanisms of various kinds of symmetric shocks.















The difference in development stages --A sectoral point of view (7)

Differences between agricultural and industrial sectors

- Agricultural goods are better substitutes of one another than industrial goods.
- Prices are more flexible for agricultural goods than for industrial goods

The NOEM literature (1)

-The model of Obstfeld and Rogoff (1995)

- A dynamic structure
- Micro-foundation: taking into account the behavior of each individual household and firm
- Monopolistically competitive firms
- Nominal rigidities in the short run
- The adjustment to shocks are described in 3 periods: the steady state, short run and long run.

The NOEM literature (2)

-The model of Obstfeld and Rogoff (1995)

- Two countries, which are completely symmetric in structure (except for population).
- One sector
- · Consumer-laborer-producer setting



This paper (4)

- The two countries, namely the developed and developing countries are now different in many aspects such as
 - the relative size of sector,
 - technology level,
 - the degree of 'labor excess' in the agricultural sector
- The assumption consumer-laborer-producer is revised to allow labor to move across sector.















The model (8)

Quantitative method:

- Since it is difficult to solve for the solution analytically, a numerical method is adopted.
- The numerical method adopted in this paper has one strong point in that it can solve for the exact solution without linearizing.













