

## Why countries trade

- Why do individuals trade?
- What is the basis for specialisation and exchange?
- Same applies to countries
- Absolute advantage
  - benefits of trade obvious
  - specialise in what you are best at

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- SA has relative advantage in paint; opportunity cost of 2 units of plastic per litre of paint; lower than in Botswana: 3 units of plastic per litre of paint
- SA  $\rightarrow$  paint; Botswana  $\rightarrow$  plastic; then trade at (say) 2,5 units of plastic per litre of paint
- Exchange ratio must be between opportunity cost ratios

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 If opportunity costs similar in both countries – no benefits from specialisation and trade















### EXAMPLE Demand for euro increases euro appreciates → (rand depreciation) Demand for euro decreases euro depreciates $\rightarrow$ (rand appreciates) Supply of euro increases euro depreciates (rand appreciates) Supply of euro decreases euro appreciates → (rand depreciates) VAN SCHAIK PUBLISHER



# Economic impact of changes in exchange rate









## Impact of exports and imports

#### • Exports (X)

- raise the level of aggregate spending A
- leave multiplier unchanged
- raise the equilibrium level of income  $Y_0$

#### • Imports (Z)

- act as leakage from circular flow
- reduce the level of aggregate spending on domestic production

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- reduce the multiplier
- reduce the equilibrium level of income



- $A = \overline{C} + \overline{I} + \overline{G} + \overline{X} \overline{Z}$  (aggregate spending)
- $C = \overline{C} + c(1 t) Y$  (consumption spending)
- $Z = \overline{Z} + mY$  (imports/spending on imports)

$$Y_0 = \alpha \bar{A}$$





Multiplier = 
$$1/(1-c(1-t) + m)$$
  
=  $1/(1-0,9(1-0,33) + 0,1)$   
=  $1/(1-0,6 + 0,1)$   
=  $1/0,5$   
=  $2$   
 $Y_0 = \alpha \bar{A} = 2 \times 700 = 1400$