# Mathematical Summary of Structural Equation Modeling

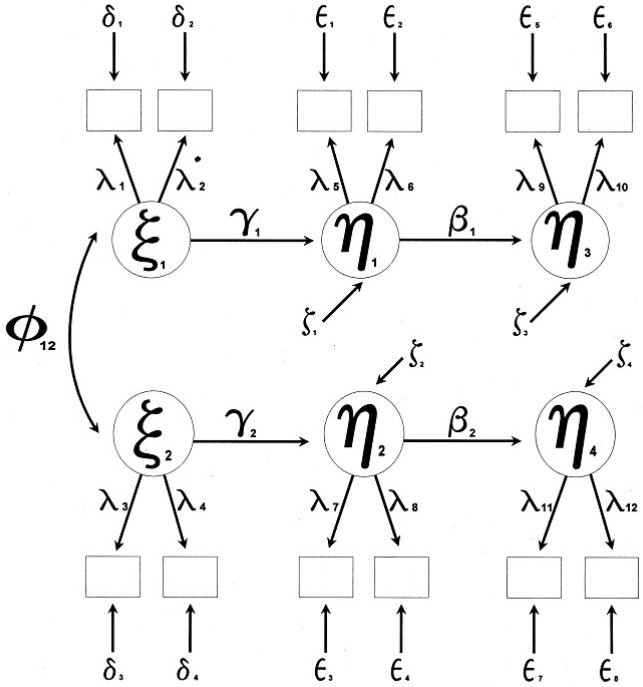
## I. Eight Matrices

A. Error terms
   1. Theta Θ
      -Delta & Epsilon
   2. Psi Ψ

B. Factor Loadings
   3. Lamda Λ
      - x and y

C. Latent Variables
   4. Ksi ξ
   5. Eta η

D. Structural Coefficients
   6. Phi Φ
   7. Beta B
   8. Gamma Γ




## II. Three Sub-models

### A. Measurement models

1. Sub-model 1 (x variables)