Ratio of variance of parameter estimates for Lotka-Volterra seasonal model  $\sigma$  = 0.1 ;  $\alpha$  = 2/3 ;  $\beta$  = 4/3 ;  $\gamma$  = 1 ;  $\delta$  = 1 ;  $\epsilon$  = 0.2 ;  $\omega$  = 0.5 0.9 -Variance Ratio SLS/NLS Parameter set Linear Non-linear 0.3 -0.0 -High Low Quality of prior information