Ratio of variance of parameter estimates for Lotka-Volterra seasonal model  $\sigma = 0.1$ ;  $\alpha = 2/3$ ;  $\beta = 4/3$ ;  $\gamma = 1$ ;  $\delta = 1$ ;  $\epsilon = 0.2$ ;  $\omega = 0.5$ ; n = 641.00 -0.75 -Variance Ratio SLS/NLS Parameter set Linear 0.50 -Non-linear 0.25 -0.00 -High Low Quality of prior information