Ratio of variance of parameter estimates for Lotka-Volterra seasonal model $\sigma = 0.1$; $\alpha = 2/3$; $\beta = 4/3$; $\gamma = 1$; $\delta = 1$; $\epsilon = 0.2$; $\omega = 0.5$ 1.00 -0.75 -Variance Ratio SLS/NLS Parameter set 0.50 -Linear Non-linear 0.25 -0.00 -100 400 1,600 900 Sample Size