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 = 1442.0 -1.5 **-**Variance Ratio SLS/NLS Parameter set 1.0 -Linear Non-linear 0.5 -0.0 -High Low Quality of prior information