Effect of small β on System's Limit Cycle $\beta = 0.5, \lambda = -0.6$ $\beta = 0.6, \lambda = -0.4$ $\beta = 0.7, \lambda = -0.2$ 0.3 $\beta = 0.8, \lambda = -0.1$ $\beta = 0.9, \lambda = 0.1$ $\beta = 1.0, \lambda = 0.2$ $\beta = 1.1, \lambda = 0.3$ $= 1.2, \lambda = 0.4$ $\beta = 1.3, \lambda = 0.5$ $\beta = 1.4, \lambda = 0.6$ $\beta = 1.5, \lambda = 0.7$ 0.2 Predator $\beta = 1.6, \lambda = 0.8$ 0.1 0.0 0.4 0.5 0.6 0.7 8.0 0.9 1.0 Prey