Lotka Volterra Predator Prey Model

Equations of the Model

$$\overset{\bullet}{x_h} = -x_h + x_h x_p$$
$$\overset{\bullet}{x_p} = x_p - x_h x_p$$

 x_h is the hunter in the model x_p is the prey in the model More generally,

$$\overset{\bullet}{x}_{h} = -ax_{h} + bx_{h}x_{p}$$
$$\overset{\bullet}{x}_{p} = cx_{p} - dx_{h}x_{p}$$

(parameters a, b, c and d are positive.

