210). At steady state
$$\frac{dx}{dt} = 0$$
 $\frac{dz}{dt} = 0$

$$\chi = \frac{\sqrt{x + \beta_x S}}{1 + S + (2/2x)^{N \times x}}, \qquad \xi_7 \xi = \frac{1}{1 + (x/x_2)^{N \times \xi}}$$

Use excel solve to solve S and plot the X vs. S graph.

The black line in the paper is reproducible in excel.