

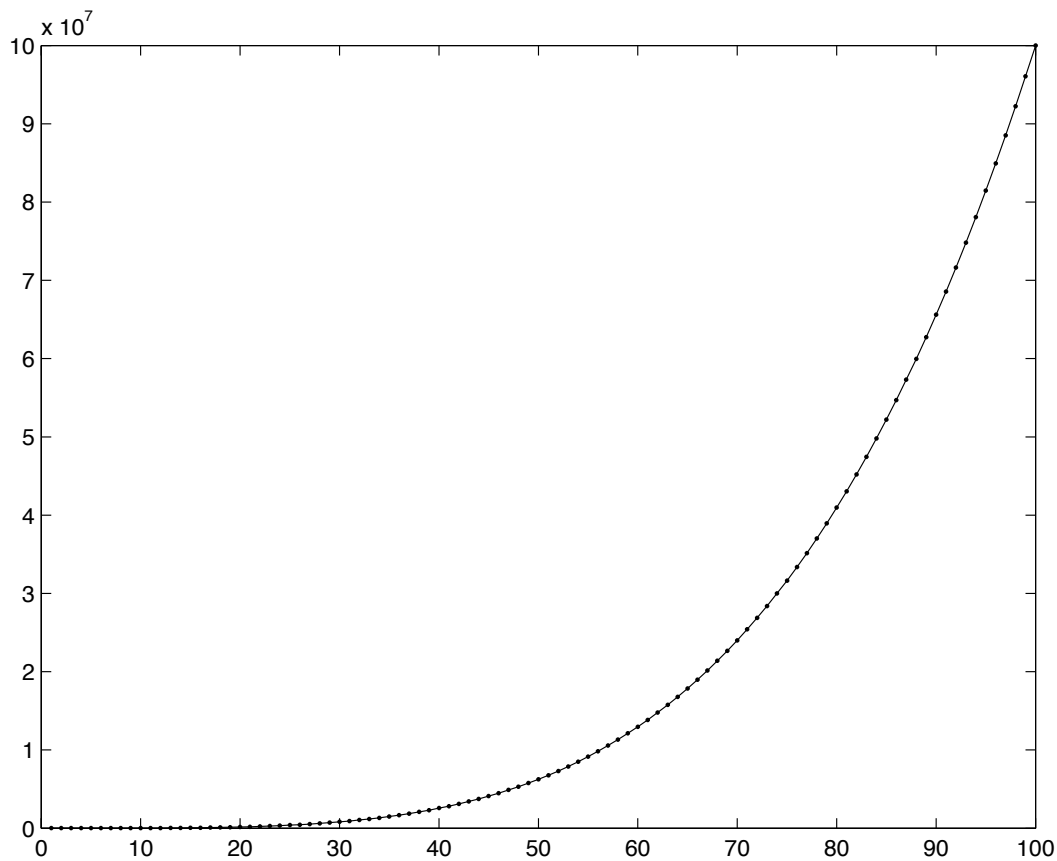
Radboud University Nijmegen

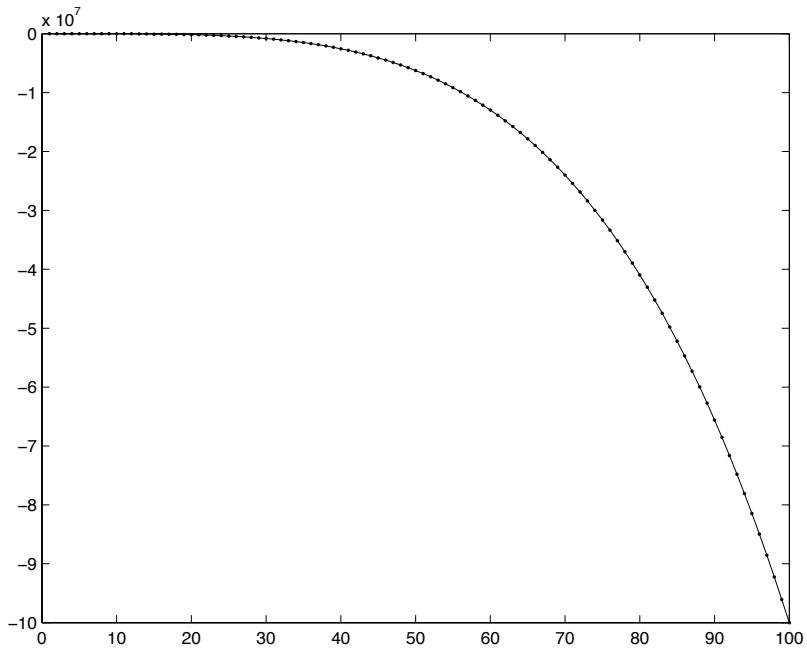


Returnplotquiz



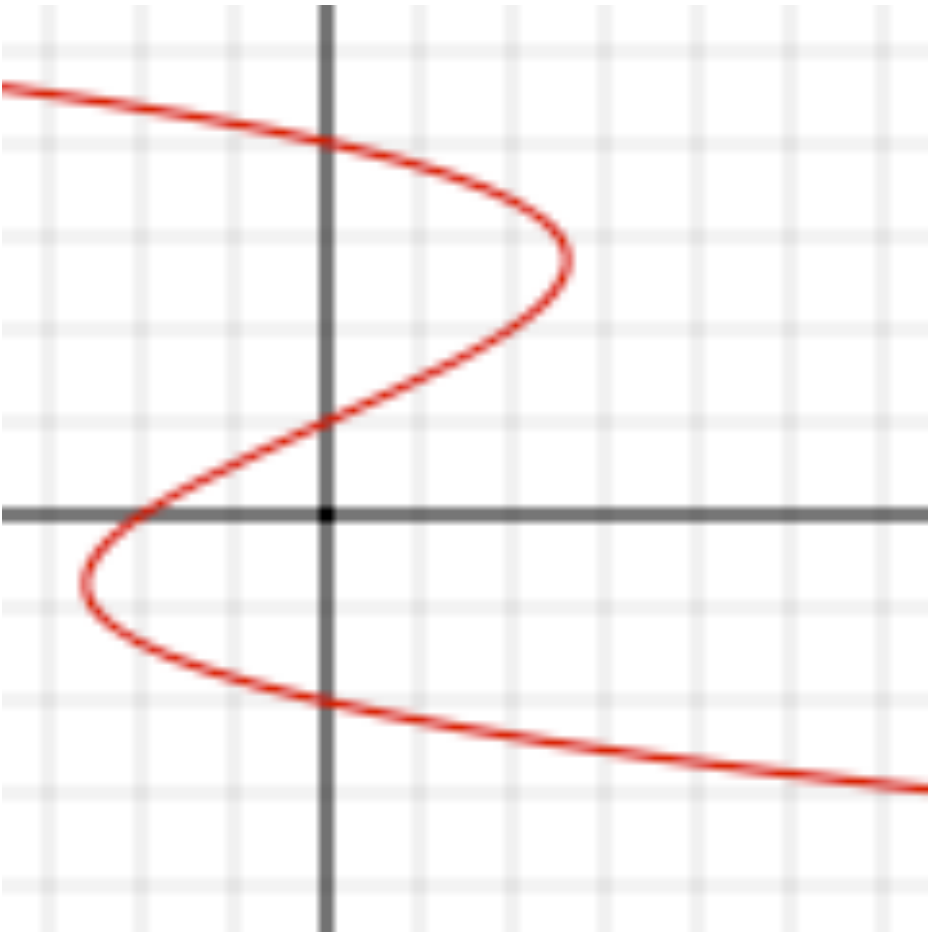
$$Y_{i+1} = a \cdot Y_i^3 + b \cdot Y_i^2 + \dots$$





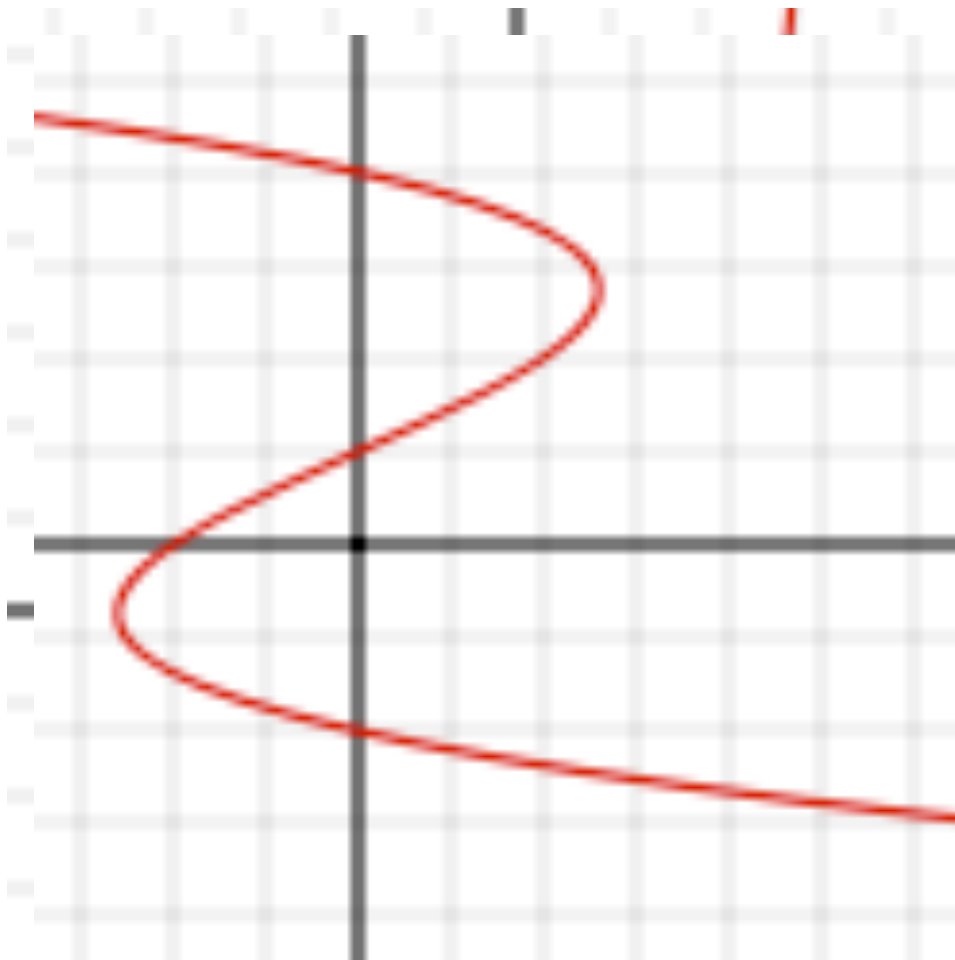


Remember this shape!

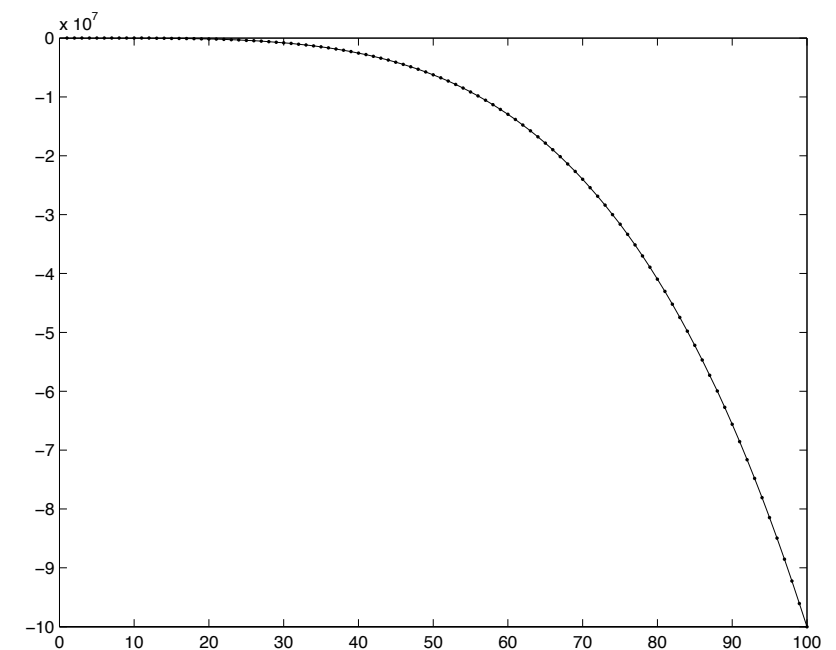
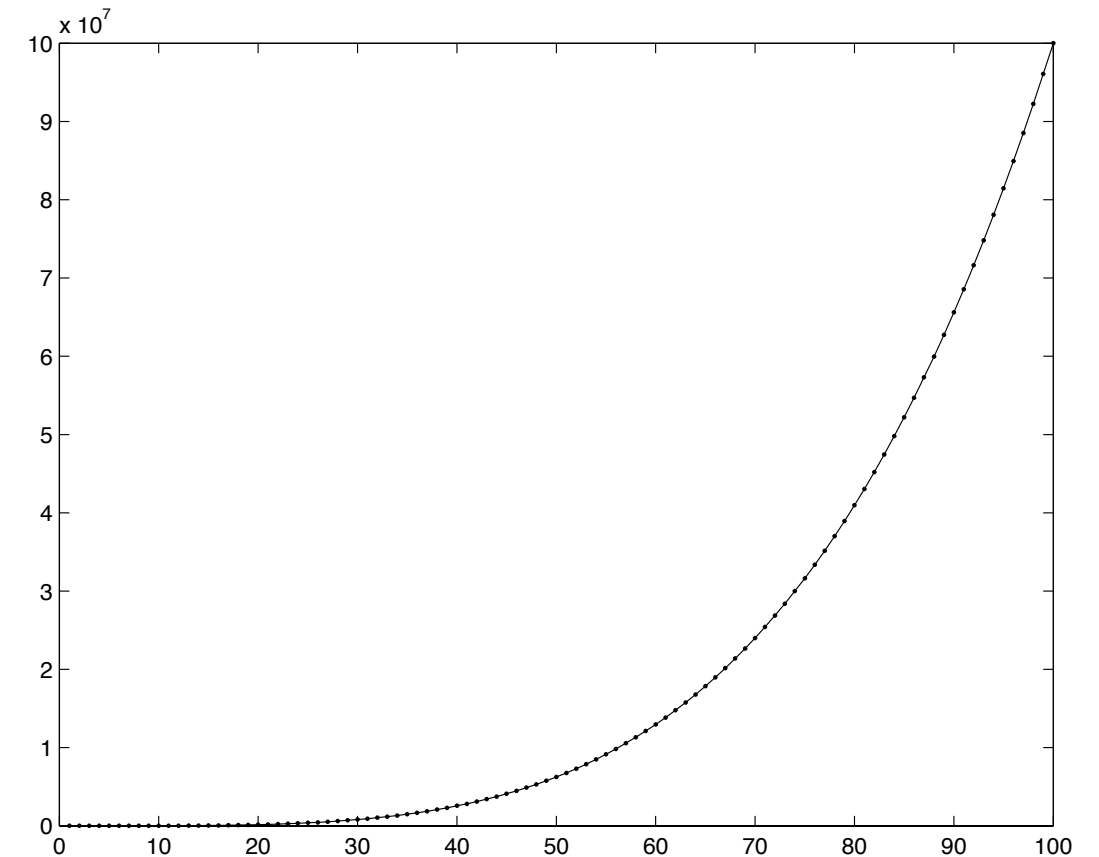


Return plot quiz

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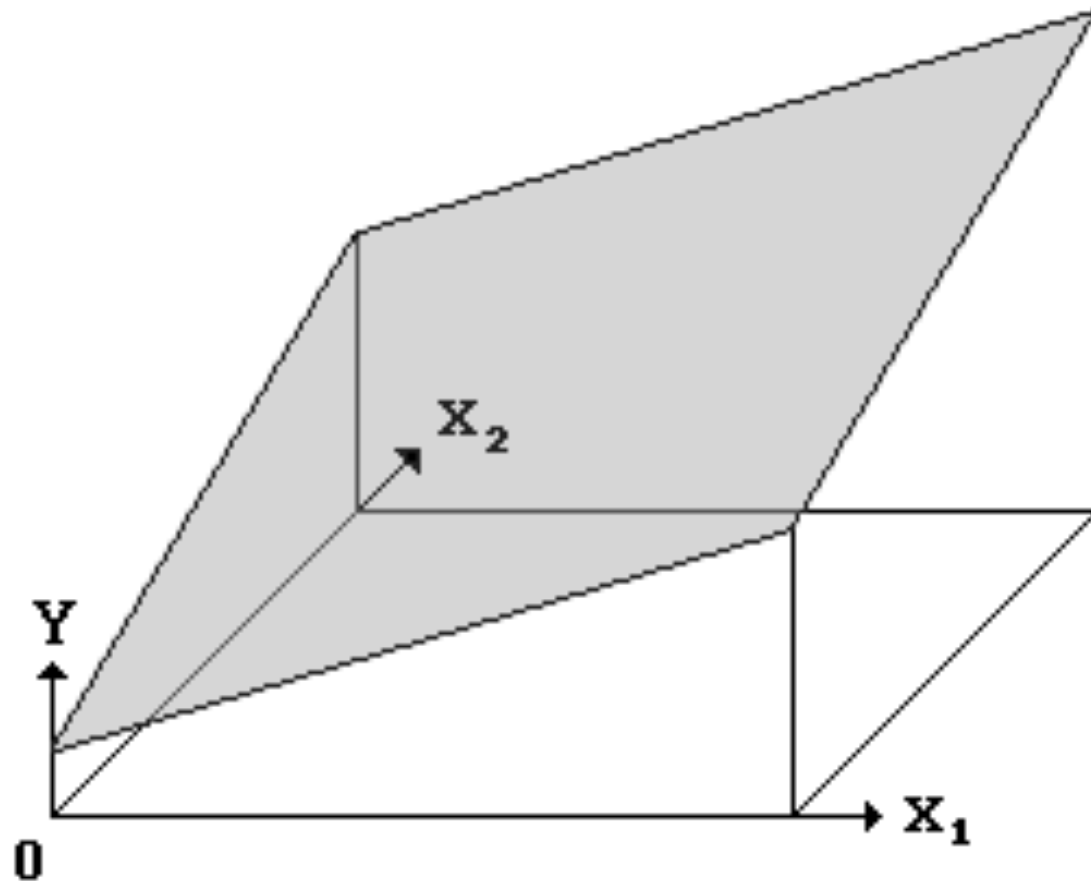


Remember this shape!

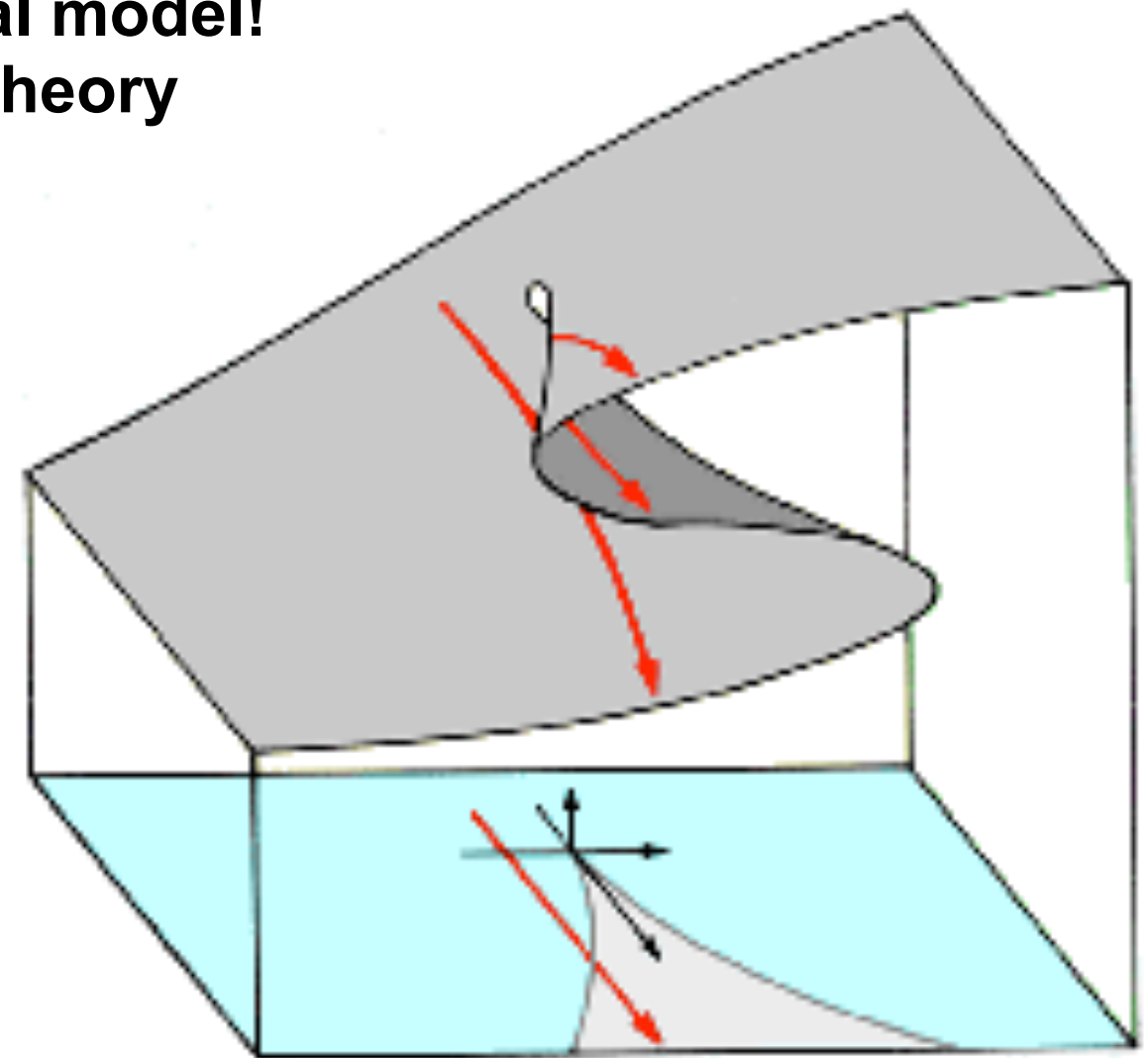


Linear vs. Dynamic models... fitting a response surface

same tools!
same general model!
different theory



$$Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2$$



$$Y = \beta_0 + \beta_1 X_{\text{control}} + \beta_2 X_{\text{bifur}} * Y + \beta_3 Y^2 + \beta_4 Y^3$$

Y is entered as a predictor