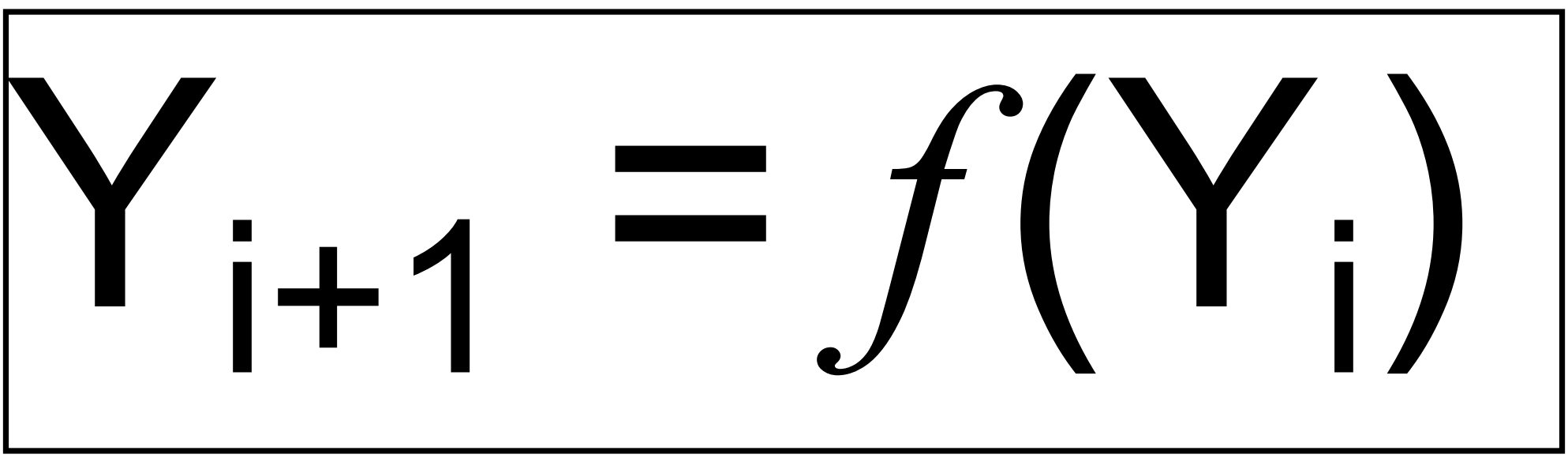
1refs


$Y_{i+1} = f(Y_i)$

The Linear Map

i = 0: $Y_0 \rightarrow Y_1 = f(Y_0)$

i = 1: $Y_1 \rightarrow Y_2 = f(Y_1) = f(f(Y_0)) = f^2(Y_0)$

i = 2: $Y_2 \rightarrow Y_3 = f(Y_2) = \ldots = f^3(Y_0)$

i = n: $Y_n \rightarrow Y_{n+1} = f(Y_n) = \ldots = f^n(Y_0)$

32

The Linear Map

$$\boxed{Y_{i+1} = f(Y_i)}$$

i = 0: $Y_0 \rightarrow Y_1 = f(Y_0)$

i = 1: $Y_1 \rightarrow Y_2 = f(Y_1) = f(f(Y_0)) = f^2(Y_0)$

i = 2: $Y_2 \rightarrow Y_3 = f(Y_2) = \ldots = f^3(Y_0)$

⋮ ⋮

[1]refs

i = n: $Y_n \rightarrow Y_{n+1} = f(Y_n) = \ldots = f^n(Y_0)$

Linear Map: Iteration with a parameter

$$Y_{i+1} = a \cdot Y_i$$

[1]refs