

ListLinePlot[RandomFunction[

ItoProcess[ $\left\{\left\{0. + 0.5 (1. - 0.01 R[t]) R[t] - \frac{0.02 P[t] \times R[t] (-1. + 0.04^n R[t]^n)}{-1. + 0.04^{1+n} R[t]^{1+n}},\right.\right.$

$\left.0. - 0.08 P[t] + \frac{0.005 P[t] \times R[t] (-1. + 0.04^n R[t]^n)}{-1. + 0.04^{1+n} R[t]^{1+n}}\right\},$

$\{\{0.04 R[t]\}, \{0.04 P[t]\}\}, \{R[t], P[t]\}\}, \{\{R, P\}, \{16.0697, 14.0094\}\}, \{t, 0\}\},$

$\{0, 2000, 0.1\}, \text{Method} \rightarrow \text{StochasticRungeKuttaScalarNoise}\}, \text{PlotRange} \rightarrow \text{All},$

$\text{Axes} \rightarrow \text{False}, \text{Frame} \rightarrow \{\{\text{True}, \text{False}\}, \{\text{True}, \text{False}\}\},$

$\text{FrameLabel} \rightarrow \{\text{Time}, \text{Abundance}\},$

$\text{PlotLegends} \rightarrow \text{Placed}[\text{LineLegend}[\{\text{Prey}, \text{Predator}\},$

$\text{LegendFunction} \rightarrow (\boxed{\#1} \&), \text{LegendMargins} \rightarrow 0.1, \text{Spacings} \rightarrow 0.15], \{\text{Center}, \text{Top}\}]]$