Model	Differential Equation Form	Integrated Form	Linearized Form	Units of b
Exponential	$\frac{dy}{ds} = -by$	$y = ae^{-bs}$	$\ln(y) = \ln(a) - bs$	s^{-1}
Power	$\frac{dy}{ds} = \frac{-by}{s}$	$y = as^{-b}$	$\ln(y) = \ln(a) - b\ln(s)$	none
C	$\frac{dy}{ds} = -b(1-y)$	$y = 1 - ae^{bs}$	$\ln\left(\frac{1}{1-y}\right) = -\ln(a) - bs$	s^{-1}
D	$\frac{dy}{ds} = -by(1-y)$	$y = \frac{1}{1+ae^{bs}}$	$\ln\left(\frac{y}{1-y}\right) = -\ln(a) - bs$	s^{-1}
E	$\frac{dy}{ds} = \frac{-b(1-y)}{s}$	$y = 1 - as^{b}$	$\ln\left(\frac{1}{1-y}\right) = -\ln(a) - b\ln(s)$	none
F	$\frac{dy}{ds} = \frac{-by(1-y)}{s}$	$y = \frac{1}{1+as^{b}}$	$\ln\left(\frac{y}{1-y}\right) = -\ln(a) - b\ln(s)$	none
Cauchy		$y = \frac{2}{\alpha\pi}\left(\frac{1}{1+\left(\frac{s}{\alpha}\right)^2}\right)$		