









































































$$E(L_t) = L_\infty \left( 1 - e^{-K(t-t_0)} \right)$$

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$$E(L_t) = L_\infty - (L_\infty - L_0) e^{-Kt}$$

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$$E(L_t) = \frac{\omega}{K} \left( 1 - e^{-K(t-t_0)} \right)$$

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$$E(L_t) = L_\infty - (L_\infty - L_r) e^{-K(t-t_r)}$$



$$E(L_t) = L_\infty \left( 1 - e^{-K_{pr}(t_{pr} - t_0) - V(t_{pr}) + V(t_0)} \right)$$

$$\text{where } V(t) = \left( \frac{K_{pr}(1-NGT)}{2\pi} \right) \sin\left(\frac{2\pi}{1-NGT}(t - t_s)\right)$$

$$E(L_t) = L_\infty - (L_\infty - L_0) e^{-\frac{\omega}{L_\infty} t}$$

$$E(L_t) = L_\infty \left( 1 - e^{-\frac{\log(2)}{(t_{50} - t_0)}(t - t_0)} \right)$$

$$E(L_t) = L_1 + (L_3 - L_1) \frac{1 - e^{-K(t - t_1)}}{1 - e^{-K(t_3 - t_1)}}$$

$$E(L_t) = L_1 + (L_3 - L_1) \frac{1 - r^{\frac{t-t_1}{t_3-t_1}}}{1 - r^2}$$

where  $r = \frac{L_3 - L_2}{L_2 - L_1}$

Not Yet Implemented

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$$E(L_r - L_m) = (L_\infty - L_m) \left( 1 - e^{-K\Delta t} \right)$$



$$E(L_r) = L_m + (L_\infty - L_m) \left( 1 - e^{-K\Delta t} \right)$$

$$E(L_t) = L_{\infty} \left( 1 - e^{-K(t-t_0) - S(t) + S(t_0)} \right)$$

$$\text{where } S(t) = \left( \frac{CK}{2\pi} \right) \sin(2\pi(t-t_s))$$

$$E(L_t) = L_{\infty} \left( 1 - e^{-K(t-t_0) - R(t) + R(t_0)} \right)$$

$$\text{where } R(t) = \left( \frac{CK}{2\pi} \right) \sin(2\pi(t - WP + 0.5))$$

$$E(L_r - L_m) = (L_\infty + \beta(L_t - L_t) - L_m) \left( 1 - e^{-K\Delta t} \right)$$

$$E(L_r - L_m) = (\alpha + \beta L_t) \left( 1 - e^{-K\Delta t} \right)$$

$$E(L_r) = L_m + (\alpha + \beta L_t) \left( 1 - e^{-K\Delta t} \right)$$

$$E(L_t) = L_\infty e^{-e^{-a-gt}}$$

$$E(L_t) = L_\infty e^{-g_l(t-t_l)}$$



$$E(L_t) = L_0 e^{a(1-e^{-gt})}$$

$$E(L_t) = L_\infty e^{-a} e^{-gt}$$

$$E(L_t) = L_0 e^{a(1-e^{-gt})}$$

$$E(L_t) = L_\infty e^{-a} e^{-gt}$$

$$E(L_t) = L_\infty e^{-\frac{1}{g_i} e^{-g_i(t-t^*)}}$$

$$E(L_r - L_m) = L_\infty \left( \frac{L_m}{L_\infty} \right)^{e^{-g_l \Delta t}} - L_m$$

$$E(L_r) = L_\infty \left( \frac{L_m}{L_\infty} \right)^{e^{-g_l \Delta t}}$$

$$E(L_t) = \frac{L_0 L_\infty}{L_0 + (L_\infty - L_0)e^{-g_\infty t}}$$



$$E(L_r - L_m) = \frac{\Delta L_{\max}}{1 + e^{\log(19) \frac{L_m - L_{50}}{L_{95} - L_{50}}}}$$

$$E(L_t) = \frac{L_\infty}{1 + g_{-\infty}(t - t_i)}$$

$$E(L_t) = \frac{L_\infty}{1 + ae^{-g_\infty t}}$$

$$E(L_t) = L_\infty \left( 1 - ae^{-kt} \right)^b$$

$$E(L_t) = L_\infty \left( 1 - \frac{1}{b} e^{-k(t-t_i)} \right)^b$$

$$E(L_t) = \frac{L_\infty}{\left(1 + be^{-k(t-t_i)}\right)^{\frac{1}{b}}}$$

$$E(L_t) = L_\infty \left( 1 + (b-1) e^{-k(t-t_i)} \right)^{\frac{1}{1-b}}$$

$$E(L_t) = L_\infty \left[ \left( 1 + \left( \frac{L_0}{L_\infty} \right)^{1-b} - 1 \right) e^{-kt} \right]^{\frac{1}{1-b}}$$



$$E(L_t) = L_{-\infty} + (L_{\infty} - L_{-\infty}) \left( 1 + (b-1) e^{-k(t-t_i)} \right)^{\frac{1}{1-b}}$$

$$E(L_t) = \left[ L_1^b + (L_3^b - L_1^b) \frac{1 - e^{-a(t-t_1)}}{1 - e^{-a(t_3-t_1)}} \right]^{\frac{1}{b}}$$

$$E(L_t) = L_1 e^{\log\left(\frac{L_3}{L_1}\right) \frac{1 - e^{-a(t-t_1)}}{1 - e^{-a(t_3-t_1)}}$$

$$E(L_t) = \left[ L_1^b + (L_3^b - L_1^b) \frac{t - t_1}{t_3 - t_1} \right]^{\frac{1}{b}}$$

$$E(L_t) = L_1 e^{\log\left(\frac{L_3}{L_1}\right) \frac{t-t_1}{t_3-t_1}}$$

















