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

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

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

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

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

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

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

$$\begin{split} E\big(L_t\big) &= L_1 + \big(L_3 - L_1\big) \, \frac{1 - r^2 \frac{t-t_1}{t_3 - t_1}}{1 - r^2} \\ \text{where } r &= \frac{L_3 - L_2}{L_2 - L_1} \end{split}$$





$$E\big(L_r - L_m\big) = \big(L_{\scriptscriptstyle \infty} - L_m\big)\!\bigg(1 - e^{-K\Delta t}\bigg)$$

$$E\big(L_r\big) = L_m + \big(L_{\scriptscriptstyle \infty} - L_m\big)\!\bigg(1 - e^{-K\Delta t}\bigg)$$

$$\begin{split} &E\big(L_t\big) = L_{\infty}\!\!\left(1 - e^{-K(t-t_0) - S(t) + S(t_0)}\right) \\ &\text{where } S(t) = \!\left(\!\frac{CK}{2\,\pi}\!\right) \! sin\!\left(2\pi(t-t_s)\right) \end{split}$$

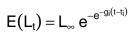
$$\begin{split} E(L_t) &= L_{\infty}\!\!\left(1 - e^{-K(t-t_0) - R(t) + R(t_0)}\right) \end{split}$$
 where  $R(t) = \!\left(\!\frac{CK}{2\,\pi}\!\right)\!sin\!\left(2\pi(t-WP+0.5)\right)$ 

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

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

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

 $E\big(L_t\big) = L_{\scriptscriptstyle \infty} \; e^{-e^{a-g_i t}}$ 











$$E(L_t) = L_{\scriptscriptstyle \infty} \, e^{-\frac{1}{g_i} e^{-g_i \, (\, t \, - \, t^{^{\scriptscriptstyle *}})}} \label{eq:energy}$$

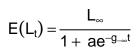
$$E(L_r - L_m) = L_{\infty} \left(\frac{L_m}{L_{\infty}}\right)^{e^{-g_i \Delta t}} - L_m$$

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

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

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

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



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

$$\mathsf{E}\big(\mathsf{L}_t\big) = \mathsf{L}_{\scriptscriptstyle\infty} \left(1 - \frac{1}{\mathsf{b}}\,\mathsf{e}^{-\mathsf{k}\big(\mathsf{t} - \mathsf{t}_i\big)}\right)^{\mathsf{b}}$$

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

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

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

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

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

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

 $E(L_{t}) = \left[L_{1}^{b} + (L_{3}^{b} - L_{1}^{b}) \frac{t - t_{1}}{t_{3} - t_{1}}\right]^{\frac{1}{b}}$ 

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

