$$GR_{N} = \frac{N(t) - N(t - \Delta t)}{N(t - \Delta t)} \cdot 100\% \qquad f_{a}(t) = N(t_{e}) + \sqrt{V(t_{e}) - N(t_{e} - \Delta t)} \cdot \frac{1}{\Delta t} \qquad L(t; M, a, b) = L(t) = \frac{M}{1 + e^{-a(t - b)}}$$

$$N(t) = N(t_{1}) \cdot (1 + GR_{\Delta t}) \cdot \frac{1}{\Delta t} \qquad f_{m}(t) = N(t_{e}) \cdot \left[\frac{N(t_{e})}{N(t_{e} - \Delta t)} \right]^{\frac{t - t_{e}}{\Delta t}} \qquad a = \frac{1}{t_{2} \cdot t_{1}} \left[\ln \left(\frac{M}{N(t_{1})} - 1 \right) - \ln \left(\frac{M}{N(t_{2})} - 1 \right) \right]$$

$$F_{m}(t) = N(t_{e}) \cdot \left[\frac{N(t_{e})}{N(t_{e} - \Delta t)} \right]^{\frac{t - t_{e}}{\Delta t}} \qquad a = \frac{1}{t_{2} \cdot t_{1}} \left[\ln \left(\frac{M}{N(t_{1})} - 1 \right) - \ln \left(\frac{M}{N(t_{2})} - 1 \right) \right]$$

$$F_{m}(t) = N(t_{e}) \cdot k \cdot \left(- t_{e} - \Delta t \right) \cdot \left[\frac{N(t_{e})}{N(t_{e} - \Delta t)} \right]^{\frac{t - t_{e}}{\Delta t}} \qquad b = t_{1} + \frac{1}{a} \ln \left[\frac{M}{N(t_{1})} - 1 \right]$$

$$F_{m}(t) = N(t_{e}) \cdot k \cdot \left(- t_{e} - \Delta t \right) \cdot \left[\frac{N(t_{e})}{N(t_{e} - \Delta t)} \right]^{\frac{t - t_{e}}{\Delta t}} \qquad b = t_{1} + \frac{1}{a} \ln \left[\frac{M}{N(t_{1})} - 1 \right]$$

$$F_{m}(t) = N(t_{e}) \cdot k \cdot \left(- t_{e} - \Delta t \right) \cdot \left[\frac{N(t_{e})}{N(t_{1} - t_{e})} \right] = \frac{M \cdot N(t_{e})}{N(t_{e})} = \frac{M \cdot N(t_{e})}{$$