

Corrigendum

The authors of glr027, Chen Hou, Kendra Bolt, and Aviv Bergman, apologize for an error in the June 2011 issue of the Journal:

A constant term is missing in the Integral $\int_0^t m^{3/4}(\tau) d\tau$ in Appendix III. The correct result of the integral is:

$$\int_0^t m(\tau)^{3/4} d\tau = M^{3/4} t - [Exp(At)] + M/a \times (4/3H^3 + 6H^2 + 12H)$$

where $[Exp(-At)] = 2M(18e^{-At}H + 9e^{-2At}H^2 + 2e^{-3At}H^3)$ is a function of time t , $A = B_0 t / (4E_m M^{1/4})$, $H = \mu^{1/4} - 1$, and $\mu = m_0/M$. The third term, $M/a \times (4/3H^3 + 6H^2 + 12H)$, which is a constant, was missing.

The second term, $[Exp(-At)]$, decreases exponentially with time and can therefore be negligible, as stated in Appendix III of the original text.

The third term, $M/a \times (4/3H^3 + 6H^2 + 12H)$, does not change with time, and should be included in the result of the integral. However, this term negligibly affects the mass-specific net damage at age T , $D(T)$ in Eq. 4, the master equation of the model. Using the parameters listed in Table 1, the damage due to this term, labeled as Δ below, only contributes 0.9% to the overall damage $D(T)$:

$$\Delta / (\Delta + D(T)) \approx 0.9\%.$$