1 Errata for “Biology in Time and Space”

Remark: Following is a list of errors that have been found so far. I’m sure there are more and as they are discovered, they will be added to this list.

1. p 16; Eqs 1.68 and 1.69; change $\kappa$ to $k$.

2. p. 25: Eq 1.118; change index $j$ as follows: $k = \min_i \{ R_2 \leq x_i \}$.

3. pg. 30, line 9, and pg. 136, Eqn (7.23): $\alpha_m = 0.1 \frac{25-V}{\exp(\frac{25-V}{10})-1}$

4. p. 43, line -6; the reference to ‘Poisson-Nernst’ should be to Nernst-Planck

5. pg 60, line -3; velocity is 400 m/sec.

6. pg. 77, line -5; Since $z = x/\sqrt{4Dt}$, $z^{-2}$ is a surrogate for $t$. Fig. 5.1b should be plotted as a function of $z^{-2}$.

Figure 1: Plot of the solution (5.18) plotted as a function of $z^{-2}$ with $u_0 = 1$. 