

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 κ 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} .
7. pg. 141, Equation (8.12)

$$H(u) = \begin{cases} 0 & u < 0 \\ 1 & u \geq 0 \end{cases}$$

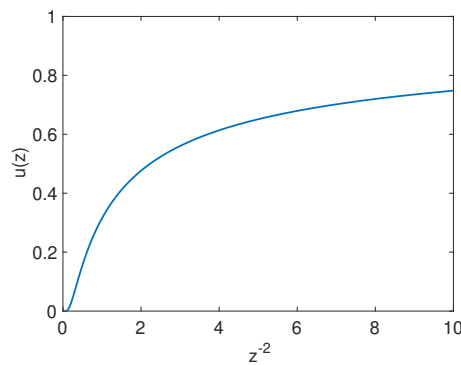


Figure 1: Plot of the solution (5.18) plotted as a function of z^{-2} with $u_0 = 1$.