

ERRATA

Measurements and a model of the outer hair cell hydraulic conductivity.

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1: The correct definition of φ which is the osmotically active fraction of intracellular water in the initial state is:

$$\varphi = \frac{v_{w_0}}{v_0}$$

This is consistent with Eq. (6) being the solution of Eq. (5).

2: Eq. (7) should read:

$$\frac{v}{v_0} = \varphi / \left[1 + \frac{\Delta C_\epsilon}{C_{i_0}} + \frac{\Delta P_i}{RT C_{i_0}} \right] + 1 - \varphi.$$

3: Eq. (9) should read:

$$\frac{\Delta v}{v_0} = -\frac{1}{\lambda} [1 - e^{-\kappa \lambda t}]$$

Using Eq. (8), linearising Eq. (7) yields the limiting value of Eq. (9).

See also <http://www.bme.jhu.edu/~tratnana/hr96.html> for detailed derivation of Eqs. (1), (6), (7), (9) and (10).