Errata: "Mathematical Model of a Direct Methanol Fuel Cell" [J. Fuel Cell Sci. Tech. 1 (1), pp. 43–48 (2004)]

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The authors inform that there are three errors in the published article.

(1) The following correction applies to Eq. (30). Equation (30) contains a parameter n that was not defined. The parameter n is the number of electron transferred in the methanol oxidation reaction. Hence $n = 6$. Substituting this value into Eq. (30) give the corrected equation as

$$c_{II}^{A} = \frac{\delta_M \left(D_A D_B c_b - \delta_A D_B K_I (1 + 12\xi_{MeOH}) \frac{I_{Cell}}{12F} - \delta_B D_A (1 + 6\xi_{MeOH}) \frac{I_{Cell}}{6F} \right)}{D_B K_I (\delta_A D_M K_{II} + \delta_M D_A) + \delta_B D_A D_M K_{II}}$$

(2) The following corrections apply to Table 1

$$\lambda = 5.5 \times 10^{-9} \text{mol/cm}^3$$
$$D_B = 1 \times 10^{-5} \text{cm}^2/\text{s}$$
$$K_I = 1.25$$

(3) The figure below corresponds to the corrected Fig. 5

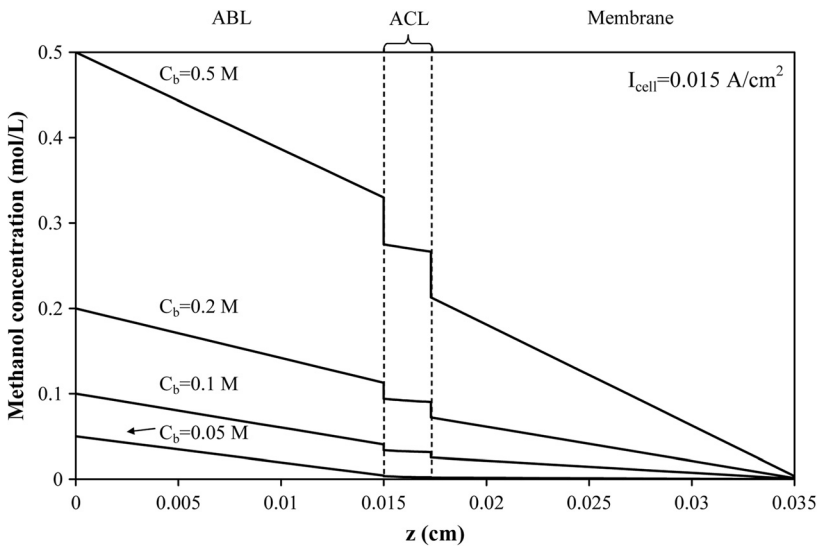

Fig. 5 Concentrations profiles for different methanol bulk concentrations

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