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Correction: Calculation of the dayside reconnection rate from cusp ion-energy dispersion

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reconnection rate, magnetospheric cusp, ion energy dispersion, magnetic reconnection, dayside magnetosphere

A Correction on Calculation of the dayside reconnection rate from cusp ion-energy dispersion

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Author S. A. Fuselier was erroneously spelled as S. A. Fueslier.

Throughout the text (except in **Equation 6**), the flux tube scaling factor was erroneously given as $\frac{dy'}{dy}$. The correct equation is $\frac{dy}{dy'}$.

A correction has been made to the section *Calculation Analysis*:

The upstream magnetopause magnetic field strength is difficult to obtain without a conjunction, so a back-of-the-envelope values of 50,000 nT for the satellite and 50 nT for the magnetopause are suggested.

Equation 5 in *Calculation Review* was erroneously given as $E_y' = \left(\frac{dy'}{dy}\right) \frac{B_s V_s \cos(\alpha)}{1 + \left(\frac{d'}{2}\right) \sqrt{\frac{m}{2}} E_{ic}^{-3/2} \frac{dE_{ic}}{dt}}$.

The correct equation is $E_y' = \left(\frac{dy}{dy'}\right) \frac{B_s V_s \cos(\alpha)}{1 + \left(\frac{d'}{2}\right) \sqrt{\frac{m}{2}} E_{ic}^{-3/2} \frac{dE_{ic}}{dt}}$.

Equation 8 in *Comparison to $v \times B$ Baseline* was erroneously given as $E_y' = \left(\frac{dy'}{dy}\right) |\mathbf{v} \times \mathbf{B}|$.

The correct equation is “ $E_y' = \left(\frac{dy}{dy'}\right) |\mathbf{v} \times \mathbf{B}|$.”

The original article has been updated.

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