Erratum

Exact solution of the neutralino mass matrix

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The correct form of the following equations and functions should read:

$$\text{Equation (2): } M_{\text{ch}} = \begin{pmatrix} M & \sqrt{2} M_w c_v \\ \sqrt{2} M_w s_v & \mu \end{pmatrix}.$$

On p. 158 [below Eq. (7)],

$$R = \left(\frac{A^2}{4} - B + Y \right)^{1/2}$$

$$D_{\pm} = \left(\frac{3A^2}{4} - R^2 - 2B \pm \frac{4AB - 8C - A^3}{4R} \right)^{1/2} \quad \text{if } R \neq 0$$

$$D_{\pm} = \left(\frac{3A^2}{4} - 2B \pm 2(Y^2 - 4D)^{1/2} \right)^{1/2} \quad \text{if } R = 0$$

and

$$Z_{\pm} = \left\{ -\frac{v}{2} \pm \left(\frac{v^2}{4} + \frac{u^3}{27} \right)^{1/2} \right\}^{1/3}.$$

In Eq. (9)

$$T_{4i} = \frac{\xi M_{\chi_i^0} + M_z^2 s_v^2}{M_z c_v (M_{\chi_i^0} + \mu \tan \theta_v)} \frac{1}{X_i^{1/2}}$$

and

$$\xi = \frac{(N_{11} - M_{\chi_i^0})(N_{22} - M_{\chi_i^0}) - N_{12} N_{21}}{N_{11} - M_{\chi_i^0}}.$$