Correction to : Stokes Matrices of a Reducible Double Confluent Heun Equation via Monodromy Matrices of a Reducible General Huen Equation with Symmetric Finite Singularities

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The original version of this manuscript, published on 27 August 2021, contains a mistake. In the “Introduction,” Eqs. (1.5) and (1.6) are incorrect. The correct form of the Eqs. (1.5) and (1.6) is as follows (to facilitate the reader we present the sentence including the pointed equations).

For these values of the parameters, the changes of the variables

$$y(x) = e^{\gamma_1 x} e^{-\frac{\beta_1}{x}} w(x) \quad \text{and} \quad y(x) = \left(\frac{x - \sqrt{\varepsilon}}{x + \sqrt{\varepsilon}} \right)^{\frac{\beta_1}{2\sqrt{\varepsilon}}} \left(\frac{\frac{1}{\sqrt{\varepsilon}} + x}{\frac{1}{\sqrt{\varepsilon}} - x} \right)^{\frac{\gamma_1}{2\sqrt{\varepsilon}}} w(x)$$

respectively take Eq. (1.1) with operators (1.2) and Eq. (1.3) with operators (1.4) into the canonical DCHE

$$w''(z) + \left[\frac{2}{x} - \frac{\beta}{x^2} - \gamma \right] w'(x) = 0 \quad (1.5)$$

and the canonical GHE

$$w''(x) + \left[\left(-\frac{\beta}{2\sqrt{\varepsilon}} + 1 \right) \frac{1}{x - \sqrt{\varepsilon}} + \left(\frac{\beta}{2\sqrt{\varepsilon}} + 1 \right) \frac{1}{x + \sqrt{\varepsilon}} - \frac{\gamma}{2\sqrt{\varepsilon}} \frac{1}{\frac{1}{\sqrt{\varepsilon}} - x} - \frac{\gamma}{2\sqrt{\varepsilon}} \frac{1}{\frac{1}{\sqrt{\varepsilon}} + x} \right] w'(x) = 0, \quad (1.6)$$

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where $\beta := \beta_2 - \beta_1$, $\gamma := \gamma_2 - \gamma_1$.

The original manuscript has been corrected.

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