

Erratum : A Geometrical Theory of Jacobi Forms of Higher Degree

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Erratum

In the article *A Geometrical Theory of Jacobi Forms of Higher Degree* by Jae-Hyun Yang [Kyungpook Math. J., **40(2)**(2000), 209-237], the author presents the Laplace-Beltrami operator $\Delta_{g,h}$ of the Siegel-Jacobi space $(H_{g,h}, ds_{g,h}^2)$ given by the formula (10.4) without a proof at the page 227. But the operator $\Delta_{g,h}$ is **not a correct one**.

At the page 227, the formula (10.4) should be replaced by the following **correct formula (10.4)**:

$$(10.4) \quad \Delta_{g,h} = 4\sigma\left(Y {}^t\left(Y \frac{\partial}{\partial \bar{Z}}\right) \frac{\partial}{\partial Z}\right) + 4\sigma\left(Y \frac{\partial}{\partial \bar{W}} {}^t\left(\frac{\partial}{\partial \bar{W}}\right)\right) \\ + 4\sigma\left(V Y^{-1} {}^t V {}^t\left(Y \frac{\partial}{\partial \bar{W}}\right) \frac{\partial}{\partial W}\right) \\ + 4\sigma\left(V {}^t\left(Y \frac{\partial}{\partial \bar{Z}}\right) \frac{\partial}{\partial \bar{W}}\right) + 4\sigma\left({}^t V {}^t\left(Y \frac{\partial}{\partial \bar{W}}\right) \frac{\partial}{\partial Z}\right).$$

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