ERRATA TO SECTIONS 3 AND 4 OF *FUKAYA A_∞-STRUCTURES ASSOCIATED TO LEFSCHETZ FIBRATIONS. IV 1/2*

All errors here are carried over from part IV. The infinitesimal action on the hyperbolic disc should have β and $\bar\beta$ switched. The correct version is

$$X_\gamma = (-\bar\beta w^2 + 2i\alpha w + \beta)\partial_w. \tag{3.32}$$

Correspondingly,

$$H_\gamma = \frac{\alpha + \mathrm{im}(\beta\bar w)}{1-|w|^2} - \tfrac{1}{2}\alpha, \tag{3.34}$$

$$\bar X_\gamma|\partial_\infty W = 2(\alpha + \mathrm{im}(\beta\bar w))iw\partial_w. \tag{3.35}$$

In the definition of curvature on the level of Hamiltonians, the sign of the Poisson bracket should have been clarified,

$$R_K = \big(\partial_t K(\partial_s) - \partial_s K(\partial_t) - \omega_E(X_K(\partial_s), X_K(\partial_t))\big)\, ds\wedge dt. \tag{4.27}$$

With that in mind,

$$\omega_K^{geom} = \omega_E + \omega_E(X_K(\partial_s),\cdot)\wedge ds + \omega_E(X_K(\partial_t),\cdot)\wedge dt + \omega_E(X_K(\partial_s), X_K(\partial_t))ds\wedge dt. \tag{4.28}$$