

Erratum to: On the construction of uniformly convergent disk polynomial expansions

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We correct some inaccuracies in the paper.

In the formula defining the coefficients $c_{q,m,n}^j$ appearing in the statement of Lemma 2.1, the term $(m+n-2j+q-1)!$ in the numerator should read $(m+n-2j+q-1)$. As so, a similar replacement needs to be implemented in (2.3) and (2.4). Most importantly, the term $(m+n+q-1)!$ in (1.9) is, in fact, $(m+n+q-1)$. Similar changes need to be considered in (2.16), (2.19), the formulas in Theorem 3.2, Corollary 3.3 and Theorem 3.4. The summand of the inner sum in the formula in the statement of Theorem 3.2 must be multiplied by r^{2j} due to the equality

$$\omega_{2q} D_z^{m+j} D_{\bar{z}}^{n+j} \varphi_q^r(0) = (m+j)!(n+j)!(1-r^2)^q M(q, m+j, n+j) r^{m+n+2j},$$

implicit in (3.6). Similar adjustments need to be done in Corollary 3.3 and Theorem 3.4. The core of the paper stands.

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Reference

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