Correction

Correction to: The invariant subspaces of the shift plus integer multiple of the Volterra operator on Hardy spaces

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- (1) We note that the main results (Proposition 1, Proposition 2, and Theorem 1) in [1] are only true for $1 < p < \infty$.

However, when $p = 1$, whether or not all the closed ideals of S_n^1 are of the forms $J_{S_n^1}(G; K_0, K_1, \dots, K_{n-1})$ is still an open question (see [2, 3] where several sufficient conditions were given).

- (2) Remark 1 in [1] should be corrected as follows:

Let $n \in \mathbb{N}$, $1 \leq p < \infty$. Then $J_{S_n^p}(G; K_0, K_1, \dots, K_{n-1})$ is a zero ideal if and only if $\int_0^{2\pi} \log \rho(e^{i\theta}) d\theta = -\infty$, where $\rho(z)$ is the distance of z from the union of K_0 and the zero set of G .

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