Erratum

Erratum to: Joint Hyponormality of Rational Toeplitz Pairs

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In Theorem 1 of the article “Joint Hyponormality of Rational Toeplitz Pairs” [1], the condition ‘ ϕ and ψ have a common pole’ has to be assumed.

Due to a technical problem, we omitted an assumption in Theorem 1 of [1]. For the sake of completeness, we restate Theorem 1, in its correct form.

Theorem 1. *Let ϕ and ψ be rational functions in L^∞ which have a common pole. If $\mathbf{T} = (T_\phi, T_\psi)$ is hyponormal then $\phi - \beta\psi \in H^2$ for some constant β .*

The proof of [1, Theorem 1] is correct and complete under the additional assumption ‘ ϕ and ψ have a common pole.’

In turn, Corollary 2 of [1] should also have an additional assumption ‘ θ_0 and θ_2 are not coprime,’ which is equivalent to the condition ‘ ϕ and ψ have a common pole.’

We would remark that Corollary 2 of [1] is still a generalization of the case of trigonometric polynomial symbols because if ϕ and ψ are trigonometric (non-analytic) polynomials then they have a common pole at $z = 0$.

Reference

- [1] Hwang, I.S., Lee, W.Y.: Joint hyponormality of rational Toeplitz pairs. Integr. Equ. Oper. Theory **65**, 387–403 (2009)

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