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ERRATA FOR "POSINORMAL TERRACED MATRICES"

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Abstract. Corrections are made for some examples following Theorem 2.2 in *Posinormal terraced matrices*, Bull. Korean Math. Soc. **46** (2009), no. 1, 117–123.

The corrections below involve examples illustrating Theorem 2.2 in [3].

1. The sentence immediately following the proof of the theorem contains a typographical error and should be corrected to read as follows.

> We note that a specialized version of the procedure of the preceding proof was used in [1] to show the hyponormality of M for the case $a_n = 1/(n+1+k)$ for fixed $k > 0$.

2. In Example 2.2, the sequence determined by $a_n = (n+3)/(n+2)^2$ does not satisfy condition (3), so Theorem 2.2 does not apply to this example. It may be replaced with the sequence specified by $a_n = (n+2)/((n+1)(n+3))$, which does satisfy the three conditions of the theorem (and also the conditions of [2, Theorem, p. 427]) and is therefore now known to generate a hyponormal terraced matrix.

3. In Example 2.3, the logistic sequence given by $0 < a_0 < 1$ and then recursively by $a_{n+1} = a_n(1-a_n)$ for all n, should be restricted to $0 < a_0 < 1/2$ to ensure that all three conditions in Theorem 2.2 are satisfied. (Note, for example, that if $a_0 = 3/4$, then $a_0 > 2a_1$, so condition (2) is not satisfied; however, [2, Theorem, p. 427] still guarantees hyponormality for that case – indeed, for all $a_0 \in (0,1)$.)

References

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