ERRATA TO VOLUME 29


1. Add to the end of the article "with lim u=1".
2. p. 360, lines 15, 16. This is a special case of Theorem 9.

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In Theorem 4 of this paper it is stated that the set of all operators with ascent and descent 0 or 1 is uniformly closed in B(H). This is not true as can be seen by the following example [P. R. Halmos, *A Hilbert space problem book*, Problem 85]. If for each k=1, 2, ..., A_k is the weighted shift on the Hilbert space of two-way square-summable sequences, with sequence of weights (..., 1, 1, 1/k, 1, 1, ...), then \( \|A_k - A_\infty\| \to 0 \) where \( A_\infty \) has its sequence of weights (..., 1, 1, 0, 1, 1, ...). Each \( A_k \), being invertible, is of ascent and descent 0 or 1, but \( A_\infty \) is not of ascent 0 or 1, since \( A_\infty^2 e_{-1} = A_\infty (1e_0) = 0 \) whereas \( A_\infty^2 e_{-1} = e_0 \neq 0 \). In the proof of Theorem 4 we argue that since \( R(T_n^*) = R(T_n^{*2}) \), \( \lim_{n \to \infty} (x, T_n^* y) = \lim_{n \to \infty} (x, T_n^{*2} z) = 0 \). This argument breaks down since the vector \( z \) is dependent on \( n \).

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