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# CORRECTION: ON THE SPECTRUM OF A HYPONORMAL OPERATOR

(This journal, Vol. 17, 305-309)

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In my paper above indicated, Lemma 1 for Theorem 1 is false. Therefore slight corrections are needed in the proof of Theorem 1.
Lemma 1 should be omitted and the sentence "hence $\|T^{-1}y\|^2 \leqq \|T^{-2}y\|$ and $\|T^{-1}\|^2 \leqq \|T^{-2}\|$. Therefore $T^{-1}$ is normaloid by Lemma 1" in the line 2-4 on p. 306 should be replaced by the following: "hence $\|T^{-1}y\|^2 \leqq \|T^{-2}y\|$ for all $y \in H$, $\|y\| = 1$. Being replaced $y$ by $T^{-1}x/\|T^{-1}x\|$, $\|x\| = 1$, we have $\|T^{-2}x\|^2 \leqq \|T^{-3}x\|\,\|T^{-1}x\|$ and $\|T^{-1}x\|^4 \leqq \|T^{-2}x\|^2 \leqq \|T^{-3}x\|\,\|T^{-1}x\|$. i.e. $\|T^{-1}x\|^3 \leqq \|T^{-3}x\|$ for all $x \in H$, $\|x\| = 1$. Repeating this, we have $\|T^{-1}x\|^n \leqq \|T^{-n}x\|$ for all $x \in H$, $\|x\| = 1$. This implies $\|T^{-1}\|^n \leqq \|T^{-n}\|$ for all $n$. Therefore $T^{-1}$ is normaloid."

# CORRECTION: SUMMABILITY METHODS OF BOREL TYPE AND TAUBERIAN SERIES

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Lemma 2.2 which we used in the paper above mentioned is false and this fact is remarked by B. Kuttner and K. Anjaneyulu. Therefore we must give a correct redefinition of a family $B(a, q(p))$ such that $[C_{pk}]$ satisfies (2. 1), (2. 2), (2. 3) and the condition

$$\sum_{k=0}^{\infty} C_{pk} = 1 + o(p^{-1/2}).$$

This family contains Euler, Taylor, $S_\alpha$, Valiron, Borel method and all the results except Lemma 2.2 are valid.