

Report on the paper entitled
” Rootless B-Fredholm operators”

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This paper needs major revision. Indeed,

1. The introduction is weak and the originality of the paper is not indicated relatively to the precedent works in the field.
2. Page 1 after Introduction, put $\mathbb{N}_0 = \{0\} \cup \mathbb{N}$.
3. Page 2, line 7, the phrase ” Let T be a Fredholm operator such that T_n is Fredholm” is doubtful. I think that let T be B -Fredholm.
4. Page 2, line 23, put parenthesis in $N(T^{n+1}$.
5. Page 2, line 24, put parenthesis in $R(T^{n+1}$.
6. Page 2, line -2, change proff by proof.
7. Theorem 2.1 must be deleted (just cite the proof of Proposition 2.6 in the paper of Berkani (1999)).
8. Page 3, line 2, put parenthesis in $R(T^{n+1}$.
9. Page 3, line 3, the integer m given in the proof must be precise.
10. Page 3, line 10, put we have not we hav.
11. Page 3, put parenthesis in $M_n/M_0, \dots$.
12. Page 3, put the exact reference of Taylor (1966), number of theorem or proposition or lemma, pages, ...
13. Page 3, line 21, delete ”the” in ”the this section”.
14. Page 3, line 26, change $\cap$ by $\subseteq$ in the expression $R(T^m) \cap R(T^{m+1})$.
15. Page 3, line 31, put parenthesis in $N(T^{d+1}$.
16. Page 4, line 6, change $n \in \mathbb{N}$ by $n \geq 2$.
17. Page 4, in Theorem 3.1, be carefull since if we work in Banach space X and if $T : R(T^n) \longrightarrow R(T^n)$ and if T is Fredholm with $ind(T) = \pm 1$, $R(T^n)$ must be isomorphic to its hyperplanes..
18. If the example 2.3 holds for the case of $l_p(1 \leq p \leq \infty)$ or c_0 , change l_2 by these spaces, it's more general,