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MULTICENTRIC HOLOMORPHIC CALCULUS FOR $n-$TUPLES OF COMMUTING OPERATORS

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ABSTRACT. In multicentric holomorphic calculus, one represents the function φ, using a new polynomial variable $w = p(z)$, $z \in \mathbb{C}$, in such a way that when it is evaluated at the operator T, then $p(T)$ is small in norm. Usually it is assumed that p has distinct roots. In this paper we aim to extend this multicentric holomorphic calculus to n-tuples of commuting operators looking in particular at the case when $n = 2$.

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