

STRUCTURE OF SPACES OF GERMS OF HOLOMORPHIC FUNCTIONS

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Abstract

Let E be a Frechet (resp. Frechet-Hilbert) space. It is shown that $E \in (\Omega)$ (resp. $E \in (DN)$) if and only if $[\mathcal{H}(O_E)]' \in (\Omega)$ (resp. $[\mathcal{H}(O_E)]' \in (DN)$). Moreover it is also shown that $E \in (DN)$ if and only if $\mathcal{H}_b(E') \in (DN)$. In the nuclear case these results were proved by Meise and Vogt [2].
