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On the continuity of the composition operation on spaces of holomorphic mappings

by
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Abstract

The continuity of the composition product on several spaces of holomorphic mappings on open subsets of a complex Banach space is treated. On the Fréchet space of the entire mappings that are bounded on bounded sets the composition turns to be even holomorphic. In such space linear subspaces closed under left and right composition are considered and their relationship with ideals of operators will be discussed.