

EXTENSION D'HOMÉOMORPHISMES CR ENTRE VARIÉTÉS POLYNÔMIALEMENT RIGIDES

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Abstract

Let $f: M \rightarrow M'$ be a CR homeomorphism between two minimal, rigid polynomial varieties of $\mathbb{C}^n$ without holomorphic curves. We show that f extends biholomorphically in a neighborhood of M if f extends holomorphically in a neighborhood of a point $p_0 \in M$ or if f is of class $\mathcal{C}^1$. In the other hand, in case M and M' are two algebraic hypersurfaces, we obtain the extension without supplementary conditions.

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Mots-clés. Correspondances holomorphes propres, variété polynômialement rigide, variété de Segre, principe de réflexion.