

# PARAMETRIC JET INTERPOLATION FOR AUTOMORPHISMS OF $\mathbb{C}^N$

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Abstract: We consider the problem of interpolating a holomorphic family of non-degenerate holomorphic jets on  $\mathbb{C}^n$ , parametrized by points in a Stein manifold, by a holomorphic family of automorphisms of  $\mathbb{C}^n$ . We show that under a suitable topological condition it is possible to find a solution, thereby generalizing results of Forstneric and Varolin concerning the nonparametric jet interpolation by automorphisms.

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