Jacobian mates for non singular polynomial maps in $\mathbb{C}^n$ with one–dimensional fibers

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Let $(F_2, \ldots, F_n) : \mathbb{C}^n \to \mathbb{C}^{n-1}$ be a non singular polynomial dominant map. We study the existence of a Jacobian mate for our map, this means the existence of an additional polynomial F_1 such that the completed map $(F_1, F_2, \ldots, F_n)$ is a local biholomorphism. (Joint work with A. Bustinduy (U. Nebrija) and J-Muciño-Raymundo (UNAM, Morelia, México).