Plane Jacobian conjecture for rational polynomials

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We verify the plane Jacobian conjecture for the rational polynomials: A polynomial map $F = (P, Q) : \mathbb{C}^2 \rightarrow \mathbb{C}^2$, $P, Q \in \mathbb{C}[x, y]$, with

$$P_y Q_x - P_x Q_y \equiv \text{const.} \neq 0$$

is invertible if $P$ is a rational polynomial, i.e. if the generic fiber of $P$ is the 2-dimensional topological sphere with a finite number of punctures.