$$J(f;x) = J(f_1, ..., f_n; x_1, ..., x_n) := \begin{vmatrix} \frac{\partial f_1}{\partial x_1} & \cdots & \frac{\partial f_n}{\partial x_1} \\ \cdots & \cdots & \cdots \\ \frac{\partial f_1}{\partial x_n} & \cdots & \frac{\partial f_n}{\partial x_n} \end{vmatrix} \in {}^* = \backslash \{0\}.$$