

A jacobian pair in the plane is a pair of polynomials (f, g) such that its jacobian is $jac(f, g) = 1$ and $\phi = (f, g)$ is not an automorphism. We will describe the tree of common divisor of a jacobian pair with special attention to the common dicritical divisors. We compute from this tree the integral

$$\int_K \chi(f^{-1}(t)) d\chi$$

This computation allows us to prove that in certain cases there are no jacobian pairs.