Plane curves as Pfaffians

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Abstract. Let C be a smooth curve in $\mathbb{P}^2$ given by an equation $F = 0$ of degree d. In this paper we parametrise all linear Pfaffian representations of F by an open subset in the moduli space $M_C(2, K_C)$. We construct an explicit correspondence between Pfaffian representations of C and rank 2 vector bundles on C with canonical determinant and no sections.

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