ON THE HEIGHT OF A RATIONAL PARAMETRIZATION OF A
PLANE ALGEBRAIC CURVE

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Abstract. Given a homogeneous irreducible polynomial \( F \in \mathbb{Z}[x,y,z] \) defining a rational plane curve \( C \) in \( \mathbb{P}^2(\mathbb{Q}) \), we study the height of an algebraically optimal parametrization obtained when we apply Sendra-Winkler's Optimal-Parametrization algorithm in terms of the degree and height of \( F \).

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