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Title: An Algebraic Generalization of Subelliptic Multipliers - Some Aspects of Regular Local Rings

Abstract: Subelliptic Multipliers was introduced by Kohn(1979) for proving regularity properties of $\bar{\partial}$. A simplified algorithem to find subelliptic multipliers for special domains involves two algebaric operations, Jacobian determinants and Radicals. We will see that this algorithm can be applied to some Noetherian regular local rings, for example, the ring of formal power seris.