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*Some properties of affine surfaces with trivial ML-invariant*

ML-invariant, named after Leonid Makar-Limanov, provides a powerful tool in the study of rings or affine varieties. We will state some properties of affine surfaces with trivial ML-invariant, and then sketch a proof of the fact that, the kernel of every nonzero locally nilpotent derivation of such a surface is a polynomial curve over the base field.