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## Hypersurfaces of $\mathbb{A}^3$ with trivial Makar–Limanov invariant

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We consider the problem of classifying affine surfaces which admit many  $\mathbb{G}_a$ -actions. We solve the case where the surface can be embedded in  $\mathbb{A}^3$  (or more generally, when it is a complete intersection). We do not assume that our surfaces are smooth, or even normal, so this generalizes the result of Bandman and Makar–Limanov.

*This is joint work with my student Ratnadha Kolhatkar.*