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Rahim Moosa* (rmoosa@uwaterloo.ca). *An application of model theory to noncommutative algebra.*

I will report on recent work, joint with Jason Bell and Omar León Sánchez, that uses the model theory of differentially closed fields to study the classical Dixmier-Moeglin equivalence problem for certain skew polynomial rings over commutative finitely generated algebras. (Received September 20, 2016)