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Title: Finite sets of binary forms

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We prove the finiteness of certain sets of binary cubic forms with given non-zero discriminant or having discriminants with bounded radical. To obtain finite sets we impose appropriate conditions on the coefficients, or on the Hessian and the cubic covariant of the forms. Some of the results are extended to binary forms of degree higher than these. We also give theorems which are proved under the assumption that the (ABC) conjecture is true.

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