On resultant relations

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If we take 3 linear polynomials over a field (or an integral domain) then the sum of the 3 possible resultants of two of them is zero. More generally, if we consider all possible resultants among some set of generic polynomials that are not all linear, they will be algebraically dependent if the set of polynomials is large enough. We will consider the case of $2d+1$ polynomials of degree d, which is in principle not "large enough". However, here we do have a relation.

We will show algebraic-geometric techniques that can be used for finding this relation explicitly or at least bounding the degree and other important parameters. This is joint work with Josef Schicho.