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Lucas Braune* (lvhb@uw.edu), Department of Mathematics, University of Washington, Seattle, WA 98195. *Irrational Complete Intersections*.

I will explain the proof of the following new result: The complete intersection of r very general hypersurfaces in N -dimensional complex projective space is not ruled, and therefore not rational, provided that the sum of the degrees of the hypersurfaces is at least $\frac{2}{3}N + r + 1$. The proof is modeled on the one given by Kollár in the case of a single hypersurface on 1995. It has as key features a degeneration to positive characteristic and the use of characteristic- p versions of classical results from the singularity theory of maps between differentiable manifolds. (Received January 24, 2018)