Nonrational Complete Intersections

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[1] IMPA

Kollár's method for proving nonrationality of hypersurfaces can be extended to more general complete intersections. A complete intersection of r very general hypersurfaces of degrees $d_1, ..., d_r$ is not ruled, and therefore not rational, provided that $\sum d_i \geq \frac{3}{4}N + 2r + 1$.