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**Olivier Haution\*** ([olivier.haution@gmail.com](mailto:olivier.haution@gmail.com)). *Degree formula for the Euler characteristic.*

Given a rational map between smooth projective varieties, this formula gives a restriction on the gcd of the degrees of closed points on the varieties in terms of integers invariant under field extensions : the dimensions of the varieties, their Euler characteristics, and the degree of the map. It can be used to establish incompressibility properties of varieties. It was stated and proved by Kirill Zainoulline under some assumptions on the characteristic of the base field. We discuss a simpler approach which additionally works over any field. (Received September 12, 2011)