

Beamer Template

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Example frame

Hirzebruch–Riemann–Roch [Har77, Thm. A.4.1] states that for a locally free sheaf \mathcal{E} of rank r on a nonsingular projective variety X of dimension n ,

$$\chi(\mathcal{E}) = \deg(\mathrm{ch}(\mathcal{E}) \cdot \mathrm{td}(\mathcal{T}))_n,$$

where $(\)_n$ denotes the component of degree n in $A(X) \otimes \mathbb{Q}$.

Thanks for your attention!



Robin Hartshorne.

Algebraic geometry.

Springer-Verlag, New York-Heidelberg, 1977.

Graduate Texts in Mathematics, No. 52.