

## SHORT NOTES ON...

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#### 1. EXAMPLE SECTION

Hirzebruch–Riemann–Roch [har78] 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  $A(X) \otimes \mathbb{Q}$ .

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