

Exercises

- (1) show that $H^0(X, \Omega_X^p)$ is a birational invariant of smooth vuzs
- (2) show that $\text{Kod}(X) = 0, 1$
(X surface) then $c_2(K_X)^2 = 0$
- (3) show that if $X \rightarrow E = \text{Alb}_X$ is a family of elliptic curves and $J \rightarrow E$ is the associated family of jacobians, then $\text{CH}_0(J)_{\mathbb{Q}} \cong \text{CH}_0(X)_{\mathbb{Q}}$ and $\text{Alb}_J \cong \text{Alb}_X$