## Differetials

**Proposition 1.** Let X be a scheme over a field k. Then every endomorphism  $\varphi: X \to X$  over k induces an endomorphism  $\varphi^*\Omega_{X/k} \to \Omega_{X/k}$ . Yang: To be continued.

Date: August 29, 2025, Author: Tianle Yang, My Homepage

