

$\mathbb{K} \in \nabla\mathbb{Z}$ field

$\mathbb{K} \xleftarrow{\sigma} \mathbb{K}$ alg autom

$$C_{\mathbb{K}} = \overline{{}^{\sigma}\widehat{x+y} = {}^{\sigma}x + {}^{\sigma}y; \quad {}^{\sigma}\widehat{x \cdot y} = {}^{\sigma}x \cdot {}^{\sigma}y}$$

subfield $\mathbb{k} \subset \mathbb{K} \in \nabla\mathbb{Z}$ field

$$\mathfrak{E}(\mathbb{K}) \underset{\mathbb{k}}{\nearrow} = \frac{\sigma \in \mathfrak{E}(\mathbb{K})}{{}^{\sigma}\mathbb{k} = \iota}$$