

$$K^\sigma \xleftarrow{\sigma} K$$

$$\alpha \in K^\sigma$$

$${}^X_K \alpha \in {}^X K \text{ irred}$$

$${}^{\alpha}_K \bar{\alpha}^\sigma = 0$$

$${}^X_{\mathbb{R}} i = X^2 + 1$$

$$K^{K^\alpha} = K(\alpha)$$