

$$\begin{array}{ccc}
 \mathbb{1} & \mathbb{F} = \mathbb{F} \ltimes \mathbb{1} & \\
 \downarrow \wr & \downarrow \wr & \\
 \mathbb{1} \rtimes \mathbb{F} & \mathbb{F} \rtimes \mathbb{F} &
 \end{array}$$

$\mathbb{1} \in \mathbb{N}\mathbb{K}$ abel Alg

$\mathbb{F} \subset \mathbb{1} \ltimes \mathbb{1} = \text{aut } \mathbb{1}$

$$\mathbb{F} = \mathbb{F} \ltimes \mathbb{1}$$

$$\mathbb{F} \rtimes \mathbb{F} \xrightarrow{\mathbb{K}} \mathbb{1}$$

dutangent metric

$$\mathbb{1} \rtimes \mathbb{1} \xrightarrow{\mathbb{K}} \mathbb{1}$$

$$\wr \mathbb{1} \rtimes \mathbb{1} = \overbrace{\mathbb{1} \rtimes \mathbb{1}} \rtimes \mathbb{1} + \mathbb{1} \rtimes \overbrace{\mathbb{1} \rtimes \mathbb{1}}$$

\mathbb{K} vertr