

Schreibweisen von Matrizen

$$A \in \mathbb{K}^{n,p}, B \in \mathbb{K}^{p,m}, C \in \mathbb{K}^{n,m}$$

$$A = (a_{ij})_{i=1,\dots,m} \quad j=1,\dots,p$$

$$(A)_{ij} = a_{ij} = A_{(ij)}$$

$$C := A \cdot B = (c_{jk})_{j=1,\dots,n} \quad k=1,\dots,m = \left(\sum_{i=1}^p a_{ji} b_{i,k} \right)_{j=1,\dots,n} \quad k=1,\dots,m$$

$$c_{jk} = \sum_{i=1}^p a_{ji} b_{i,k}$$