

## Die Gruppe $(\Delta_3, \cdot)$

$$\Delta_3 = \{M_0, M_1, M_2, M_3, M_4, M_5\} \subseteq M_2\mathbb{R}$$

$$M_0 = D(0) = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}, \quad M_1 = D\left(\frac{2\pi}{3}\right), \quad M_2 = D\left(\frac{4\pi}{3}\right), \quad M_3 = S\left(\frac{4\pi}{3}\right), \quad M_4 = S\left(\frac{2\pi}{3}\right), \quad M_5 = S(0)$$

Gruppentafel von  $(\Delta_3, \cdot)$ :

$\cdot$	$M_0$	$M_1$	$M_2$	$M_3$	$M_4$	$M_5$
$M_0$	$M_0$	$M_1$	$M_2$	$M_3$	$M_4$	$M_5$
$M_1$	$M_1$	$M_2$	$M_0$	$M_5$	$M_3$	$M_4$
$M_2$	$M_2$	$M_0$	$M_1$	$M_4$	$M_5$	$M_3$
$M_3$	$M_3$	$M_4$	$M_5$	$M_0$	$M_1$	$M_2$
$M_4$	$M_4$	$M_5$	$M_3$	$M_2$	$M_0$	$M_1$
$M_5$	$M_5$	$M_3$	$M_4$	$M_1$	$M_2$	$M_0$