

$$L_z = p_y$$

$$\{L_i, L_j\} = \epsilon_{ijk} L_k$$

$$\{L_i, p_k\} = \epsilon_{ilk} p_l \rightarrow \text{Bsp: } \{L_x, p_z\} = \epsilon_{xzy} p_y = -p_y$$

$$\text{Harmonische Schwingungen} \rightarrow \text{Lsg. der Form } f(t) = f_0 \cdot \cos(\omega t + \varphi)$$

$$\operatorname{arsinh}' x = \frac{1}{\sqrt{1+x^2}}$$

$$\ln(\sin)' = \frac{1}{\tan}$$