

**Umformungsregeln:**

$$\cos A \cdot \cos B = 1/2 [ \cos(A+B) + \cos(A-B) ]$$

$$\sin A \cdot \sin B = 1/2 [ \cos(A - B) - \cos(A+B) ]$$

$$\sin A \cdot \cos B = 1/2 [ \sin(A+B) + \sin(A -B) ]$$

$$\cos A \cdot \sin B = 1/2 [ \sin(A+B) - \sin(A-B) ]$$

**Bp.:**

$$I_{1y} \cos(\pi J_{1,2} t_1) \cos(\Omega_1 t_1) = 1/2 I_{1y} [ \cos(\Omega_1 + \pi J_{1,2}) t_1 + \cos(\Omega_1 - \pi J_{1,2}) t_1 ]$$