· Addition Intensität Re{\frac{1}{2}} = \frac{7}{2} (\frac{1}{2} + \frac{1}{2})

$$\vec{S} = \vec{E} \times \vec{H} = \frac{1}{2} \cdot (\vec{E}_1 \cdot e^{j\omega_1 t} + \vec{E}_1 e^{j\omega_2 t} + \vec{E}_2 e^{j\omega_2 t}) \times \frac{1}{2} \cdot (\vec{H}_1 e^{j\omega_1 t} + \vec{H}_2 e^{j\omega_2 t} + \vec{H}_2 e^{j\omega_2 t})$$

$$\cdot \vec{E} \perp \vec{H} : |\vec{S}| = \frac{1}{4} \underbrace{E_1 \underbrace{H_1}}_{1} e^{j2i\omega_1 t} \underbrace{(+\frac{1}{4} \underbrace{E_1 \underbrace{H_2}}_{1} e^{j(\omega_1 + \omega_2)} + \frac{1}{4} \underbrace{E_1 \underbrace{H_2}}_{1} e^{j(\omega_1 + \omega_2$$