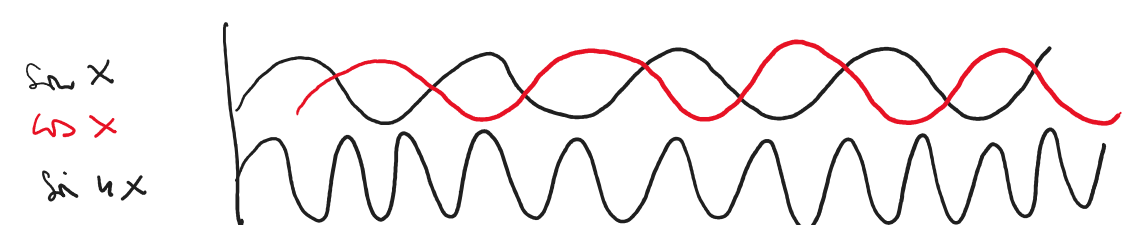


1) celotna
 $S_1 + S_2 = S$
 ↑
 vsebine

2) ravninski vladinj
 $h_1 + h_2 = h$
 ↑
 $I = |h|^2$ vsebine

$I_1 + I_2 \neq I$

3) fotonj/elektronj $|a|^2 = I$ $a_1 + a_2 = a$



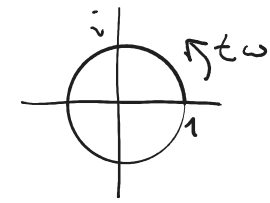
Fourierova analiza $a = x$

$$f(t) = \sum_{n=-\infty}^{\infty} c_n e^{int}$$

"lost + israt"

$c_{-n} = \overline{c_n}$

kompleksni čísla



$f \mapsto \tilde{f}$ Fourierova transformace

$$A = \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} \rightarrow \begin{pmatrix} x \\ 0 \end{pmatrix} \quad B \circ A = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$$

$$B = \begin{pmatrix} 0 & 0 \\ 0 & i \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} \rightarrow \begin{pmatrix} 0 \\ y \end{pmatrix} \quad A \circ B = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$$

$A \cdot B \neq B \cdot A$ $A \cdot x = dx$ da n

↑
 vlnst' vlnstov
 vlnst' čísla

$$B \cdot y = \begin{pmatrix} m \\ y \end{pmatrix}$$

! $A \cdot B = B \cdot A \Leftrightarrow$ shil' vlnst' vlnstov