DSP: Discrete Fourier Transform (DFT) # 4



- ⇒ So take frequencies in [fs/2, Fs] and move to the negative freq. axis
- (3) Its like the negative freq sticks are going cuockinise (i.e., (-)ve 0) to cancel the complex part.

$$\begin{array}{c} \textcircled{O} \quad DFT \quad of \quad a \quad shifted \quad signal \quad \dot{u} \quad original \quad DFT \quad nitin \\ a \quad phase \quad shift. \\ & \swarrow \quad x[m] \quad 1 \\ & \swarrow \quad x[m] \quad 1 \\ & \swarrow \quad x[m] \quad x[m] \quad 1 \\ & \swarrow \quad x[m] \quad x[m]$$

½ cos 2∏F, nts



xn = los 2 fints + los an (afi) nts





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