· Take the Fourier transform If and ask what happens if the sugn of its argument is reversed

$$\mathcal{F}(s) = \int_{-\infty}^{\infty} f(t) e^{-2\pi i s t} dt$$

$$\Rightarrow \mathcal{F}f(-s) = \int_{-\infty}^{\infty} f(t) e^{-2\pi i (-s)t} dt$$

or removing the explicit statement of the independent

· Because this holds for f(t) and tempered distributions can be obtained from f by

To and limit To it also holds for distributions

[see Oagood p82-85 & 179-182]