$$x_1(t) = 1$$
,  $x_2(t) = 1$   
 $D[x_1(t)] = 1$ ,  $D[x_2(t)] = 1$ 

$$\approx$$
 (+) =  $\times_1$  (+) +  $\times_2$  (+) = 2

$$\frac{x(t)}{|x(t)|} = \frac{x(t)}{x(t)} = 1 \qquad x(t) > 0 \qquad \text{and} \qquad .2$$

$$\frac{x(t)}{|x(t)|} = \frac{x(t)}{-x(t)} = -1$$

$$x(t) < 0 \quad \text{and}$$

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$$\frac{x^{2}(t)}{|x(t)|} = |x(t)|$$

$$\frac{x^{2}(t)}{|x(t)|} = |x(t)|$$

$$x(t) \neq 0$$

$$y(t) = \begin{cases} |x(t)| & x(t) \neq 0 \\ 0 & x(t) = 0 \end{cases}$$

$$D[x(t)] \triangleq y(t) = |x(t)|$$

$$D[x(t)] \triangleq y(t) = |x(t)|$$

$$D[x(t)] = |x(t)| = |x$$

$$\mathbb{O}\left[x(t)\right] = \begin{cases} \frac{x^{2}(t)}{x'(t)} & x'(t) \neq 0 & \frac{2}{x'(t)} \\ 0 & x'(t) = 0 \end{cases}$$

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 $\begin{aligned}
& \left[ \sum_{x} |y_{2}| | |x_{1}| \right] \\
& = \sum_{x} |y_{2}| |x_{1}| \\
& = \sum_{x} |y_{2}| |x_{1}| \\
& = \sum_{x} |y_{2}| |x_{2}| \\
& = \sum_{x} |y_{2}| |x_{1}| \\
& = \sum_{x} |y_{2}| |x_{2}| \\
& = \sum_{x} |y_{2}| |$ 

2, 40. 50 Las 2161 .3 7(+)= D[x(+)] 21,75/NIS TIER 61,524 2.0[x(+)] = 0[2.x(+)] : 2=0 niet, Casa 0.0[x(H)] = 0[2xH) D[2] = 0 ( has eliss eight en line 22, - enle) ניתן בש לירוי, הי בעובת כבי 1 -Sizen 4 8,008 1 721 1 2 25 2 20 Just 1850 14155 1 × (+-T) -> [D]-> O[x(+-T)] = x(+-T) ws[2 = fit] inviting 27010 solds sold Lust x(+) -> ID -> T-> D[x(+)] = x(+) ws 2 -f+ T | 005 [2 -f (+ -T)] · 422 3/15 John 12/1 2/2/6 2/2/62

$$D[x(t)] = x(-t)$$

$$D[x(t-\tau)] = x(-t+\tau)$$

$$D[x(t-\tau)] = x(-t+\tau)$$

$$x(t) \le |x| \le |$$

$$D[x(t)] = \int_{-\infty}^{t} x(z)dz$$

$$D \sum_{x} (t--T) = \int_{x} x(x-T) dx =$$

$$t-T = \int_{x} x(s) ds$$

100 Miss South /100m