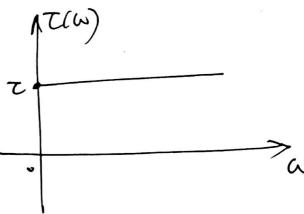
$$h_1(t) = \delta(t-\tau)$$

$$h_1(\omega) = \int_{-\infty}^{\infty} h_1(t) e^{-i\omega t} dt = \int_{-\infty}^{\infty} \delta(t-\tau) e^{-i\omega t} dt$$

$$T(\omega) = -\frac{\partial}{\partial \omega} L h_i(\omega) = T$$



Discomberg

$$\frac{1}{h_{z}(t)} = \frac{1}{T} \begin{bmatrix} utt - utt - vtt -$$

$$\frac{3}{h_3(t)} = \frac{1}{z} = \frac{-\frac{t}{z}}{u\alpha}$$

$$=\frac{1}{2}\int_{0}^{\infty}-\left(\frac{1}{2}i\omega\right)t$$

$$=-\frac{1}{z(\frac{1}{z}+i\alpha)}-\frac{(\frac{1}{z}+i\alpha)t}{e}$$

Bloomberg

:
$$\tan \left(\angle h_3(\omega) \right) = -\omega \tau$$

-:
$$2h_3(\omega) = \arctan(-\omega\tau) = -\arctan(\omega\tau)$$

Differentiate with vergent to w,

$$\frac{1}{\cos^2(2h_3\omega)} \cdot \frac{2}{2\omega} \cdot \frac{1}{2} (\omega) = -7$$

$$T(\omega) = -\frac{\partial}{\partial \omega} \angle h_3(\omega) = T \cos^2(\angle h_3(\omega))$$

$$= \frac{7}{1+\tan^2(\sqrt{\hbar}\omega)} = \frac{7}{1+\omega^2 7^2}$$

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Bloomberg

$$\begin{array}{l}
A \cdot / h_4(t) = \frac{t}{\tau_1} t e^{-\frac{t}{\tau_2}} \text{ with} \\
h_4(t) = \frac{t}{\tau_2} t e^{-\frac{t}{\tau_2}} \text{ with} \\
= \frac{1}{\tau_2} t e^{-\frac{t}{\tau_2}} - i \text{ with} \\
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= \frac{$$

Bloomberg

$$\frac{-\frac{t}{\tau_{t}} - \frac{t}{\tau_{t}}}{-2} = \frac{-\frac{t}{\tau_{t}}}{-2}$$

$$\frac{-\frac{t}{\tau_{t}} - \frac{t}{\tau_{t}}}{-2} = \frac{-\frac{t}{\tau_{t}}}{-\frac{t}{\tau_{t}}} = \frac{-\frac{t}{\tau_{t}}}{-\frac{t}}}{-\frac{t}{\tau_{t}}} = \frac{-\frac{t}{\tau_{t}}}{-\frac{t}{\tau_{t}}} = \frac{-\frac{t}{$$

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