

123456789







$\sin(x) = 10 + 20 \cos(5x) + 30 \cos(10x)$

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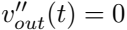


$$v_{out}(t) = 10 \times \frac{5}{5 + 5} = 5 \text{ V}$$





25/2/2020 = 0





$210 \times 10^3 = 210000$

$$v_{out}''(t) = v_{in}(t) \frac{5}{5+5} = 15 \cos 10t \text{ V}$$

$$\cos(t) = \cos(t) + 5 + 15 \cos 10t$$

100

100

100

100

100

100

100























100%









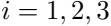


















100%

$$i_L(t) = i_L(\infty) + [i_L(0) - i_L(\infty)]e^{-t/\tau} = 6 + (4 - 6)e^{-t/0.001} = 6 - 2e^{-1000t} \text{ (mA)}$$



$$v_L(t) = L \frac{d}{dt} i(t) = -2L \frac{d}{dt} e^{-t/\tau} = 2e^{-t/\tau} V$$

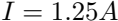
























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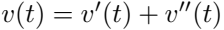












2015-2016-2017

A pixelated, black and white graphic of the text "2000-2001". The characters are rendered in a thick, blocky, sans-serif font with a high level of contrast and a dithered or pixelated texture. The numbers "2000" and "2001" are separated by a hyphen. The overall style is reminiscent of early digital art or low-resolution computer graphics.

100+ 150+ 2x 100

7/25/2020 10:40 AM



W E I S S E R A

00+0

$$\sin(x) = \sin\left(\frac{\pi}{2} + x\right) = 100\% - 100\%$$

20+ 125x8 = 10v

$$v(20) = -125 \times \frac{8+12}{8 \times 12} = -6\bar{1}$$

$$v'(t) = v'(0) + [v'(0^+) - v'(0)]e^{-t/\tau} = -6 + (-10 + 6)e^{-10t} = -6 - 4e^{-10t}$$

$$v(t) = v(t) + v(t) = 16e^{-10t} + (-6 - 4e^{-10t}) = 12e^{-10t} - 6$$