

10*log10(10^(x/10)+10^((x-d)/10))=t solve for real x



Web Apps Examples Random

Input interpretation:

solve	$10 \log_{10} \left(10^{x/10} + 10^{\frac{x-d}{10}} \right) = t$	for	x	over the reals
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$\log_b(x)$ is the base- b logarithm

Result:

Approximate form

☒ Step-by-step solution

$$x = \frac{\log \left(\frac{10^{d+t}}{(10^{d/10} + 1)^{10}} \right)}{\log(10)} \text{ and } 10^{-d/10} > -1$$

Open code

$\log(x)$ is the natural logarithm