

Re: Need help with a circuit

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Dark Alchemist wrote:

>

> *Well, the possibilities of x would be a sine wave (for this test but
> could be anything in reality).*

>

> *If $x \leq 0$ then $y = 0$ else if $x < 1$ then $y = \sqrt{1 - x^2}$ is as far as I
> was able to simplify it.*

>

> *So, comparator A compares against 0 and comparator B compares < 1 but we
> do not want the compare at B if A is true.*

> *This is as far as I got before my eyes started to glaze over, heheheh.*

I am tinkering with a strictly opamp solution but I need some idea of the DC accuracy you need, and the settling time or maximum frequency you intend to pass through this function. Keep in mind that at ± 1 volt in, the gain is infinite.

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John Popelish