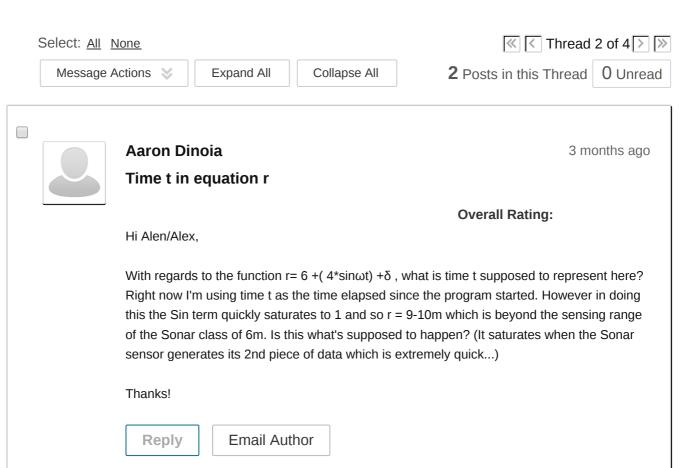?

Programming for Mechatronic Systems Autumn 2017 41012-2017-AUTUMN-CITY ⊘ | Discussion Board

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Thread: Time t in equation r

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Aaron Dinoia   3 months ago

Time t in equation r

Overall Rating:

Hi Alen/Alex,

With regards to the function r= 6 +(4*sinωt) +δ , what is time t supposed to represent here? Right now I'm using time t as the time elapsed since the program started. However in doing this the Sin term quickly saturates to 1 and so r = 9-10m which is beyond the sensing range of the Sonar class of 6m. Is this what's supposed to happen? (It saturates when the Sonar sensor generates its 2nd piece of data which is extremely quick...)

Thanks!

Reply   Email Author

Alen Alempijevic   3 months ago

RE: Time t in equation r

Overall Rating:

Aaron,

t is time in epoch from your system, given it is a sinusoid there is absolutely no way that it can be capped, it will vary with time perpetually.

Select: All None

Message Actions ⌄   Expand All   Collapse All

← **OK**