Saturday, June 14, 2025

June 14, 2025 9:19 PM

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- 1. <u>Proporties</u> of Laplace Transform:
- TIME SHIFTING :-

thun,

flt-to) = F(s).e sto - Right hand Shift flt+to) = F(s).e sto - ket hand Shift

Example: Find the Lit of ult-2)

Edition: Top (147: 117)

: L[Ult]]
: -;

Applying sight shift time scaling property:

L[flt-2]]: F(s).e-s(2)

- : f(s). e<sup>-25</sup>
- : <u>1</u> · e<sup>-2 s</sup>
- -> frequency Shifting:

Example: Find the LT of function: Eat (0s (wt)

Solution: Let flt) = cos (wt)

We know,

F(s): L[s(t)]: S

s1+w2

Apply the frequency shifting property:

- 2. References:
- 1. Neso Academy

\_\_\_\_ X \_\_\_ THE END \_\_\_ x \_\_\_