IN-2023

EE23BTECH11210-Dhyana Teja Machineni*

QUESTION:44

A continuous real-valued signal $x(t)$ has finite positive energy and $x(t) = 0, \forall\ t < 0$. From the list given below, select ALL the signals whose continuous-time Fourier transform is purely imaginary.

(A) $x(t) + x(-t)$

(B) $x(t) - x(-t)$

(C) $j(x(t) + x(-t))$

(D) $j(x(t) - x(-t))$