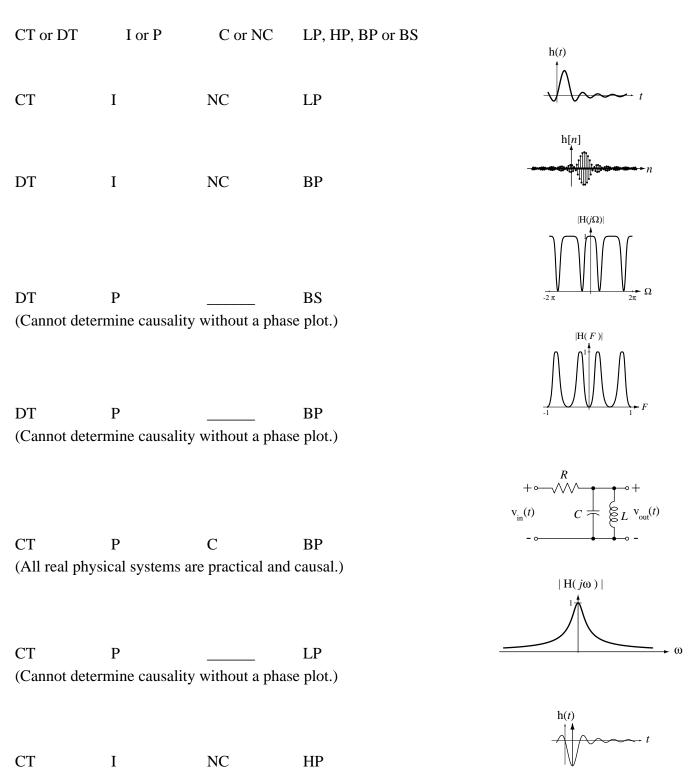
Solution of ECE 315 Test 12 F04

Below are some descriptions of filters in the forms of impulse responses, frequency-response magnitudes and circuit diagrams. For each of these, classify the filters as CT or DT, ideal (I) or practical (P), causal (C) or non-causal (NC) lowpass (LP), highpass (HP), bandpass (BP) or bandstop (BS). If a filter is impossible to classify in a certain category from the description just leave it blank.



CT I NC BP C CT P HP C CTP LP (All real physical systems are practical and causal.) CT P C HP (All real physical systems are practical and causal.) | H(*F*) | DT I NC HP (All ideal filters are non-causal.)