A) s-plane poles of G(s): $G(s) = s^{4} + 0.4174s^{3} + 1.0871s^{2} + 0.2805s + 0.1512$ Using nothing poles are $s = -6.147597 \pm 0.387591$; -6.0611034 ± 0.935565 ;

B-F, see affected MATLAB

E) z-plane poles based on whes of T: $accurate + stable = T = 0.01 \rightarrow z = -0.2 + 0.41$; $inaccurate = T = 0.5 \rightarrow z = 0.2 - 0.4$; $onstable = T = 1 \rightarrow z = -0.2 \cdot 0.9$;