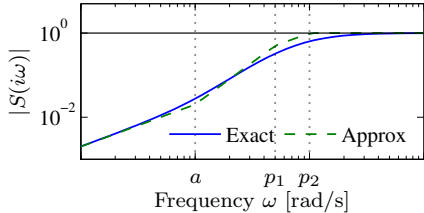


(a) $p_1 < p_2 < a$



(b) $a < p_1 < p_2$