









Kada je +1(s), odnomo H (jw) višestupni polinom. Primiter:  $H(s) = \frac{s^5 + 3s^4 + 2s^3 + s^2 + s + 1}{s^5 + 2s^4 + s^3 + s^2} = \frac{(3s^4 + s^2 + 1) + (s^5 + 2s^3 + s)}{(2s^4 + 2s^2 + 2) + (s^5 + 2s^3 + 2s)}$  $H(s) = \frac{(3s^4 + 5^2 + 1) + 5(5^4 + 2s^2 + 1)}{(2s^4 + 9s^2 + 2) + 5(5^4 + 5^2 + 2)}$ s=jw -> 5°=> 1  $H(s) = \frac{(2w^4 - w^2 + 1) + (s(w^4 - 2w^2 + 1))}{(2w^4 - 2w^2 + 2) + s(w^4 - w^2 + 2)}$ - j'w<sup>3</sup> nestaje j  $H(s) = \frac{(2w^4 - w^2 + 1) + jw(w^4 - 2w^2 + 1)}{(2w^4 - 2w^2 + 2) + jw(w^4 - w^2 + 2)}$ polinom
od  $w^2$ -> H(-j'w) = H\* (j'w) unjek možemo s (odnomo jw) izlacih => Re [H(jw)] = Rc[H(jw)] Im [H(-j'w)] = Jm H\*(j'w)] Re dro od H (jw) -> param y(-x) = y(x) [H(jw)] (w) In dio od H(j'w) -> reparau y(-x) = -y(x) [H(j'w)] matematichi. ovey dio has zeninal