Ignacio Andrade Salazar Electrónica y comp. Teoría del Control 29/08/23 Transformada de Laplace f(t) = A cos (wt) F(s) = L & A cos (wt) 3 = Se - st A cos (wt) dt F(S)= A S cos(wt) e-st dt => \ L\{Cos(wt)\}=> F(s) = A = S S E St dt F(s) = A = 8 S2+WZ 8 e-st dt = Entonces: $\mathcal{L}\left\{A\cos(\omega t)\right\} = \frac{A}{5^2 + \omega^2}$