

Leve 2. Example 2.5

& Controllable?

Solution
voltage across the capacitor : $x(t)$. ^{state variable}

any initial state. : for example. $x(0) = 0$.

input variable $u(t)$

for all $u(t)$

Can't transfer $x(0) = 0$ to any non-zero $x(t)$

So uncontrollable.