

Chapter 6, Problem 68.

A 10-V dc voltage is applied to an integrator with $R = 50 \text{ k}\Omega$, $C = 100 \text{ }\mu\text{F}$ at $t = 0$. How long will it take for the op amp to saturate if the saturation voltages are +12 V and -12 V? Assume that the initial capacitor voltage was zero.