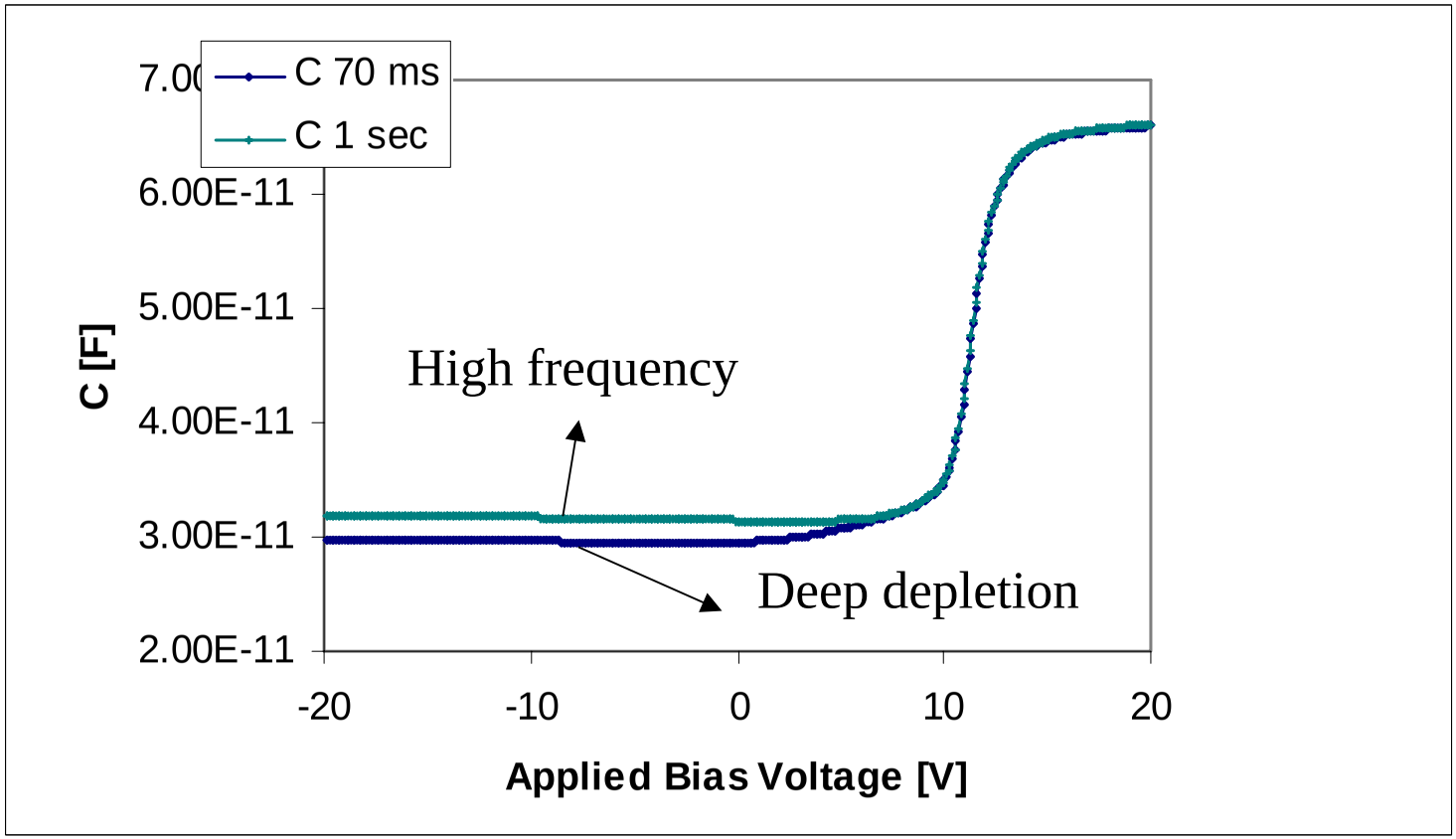
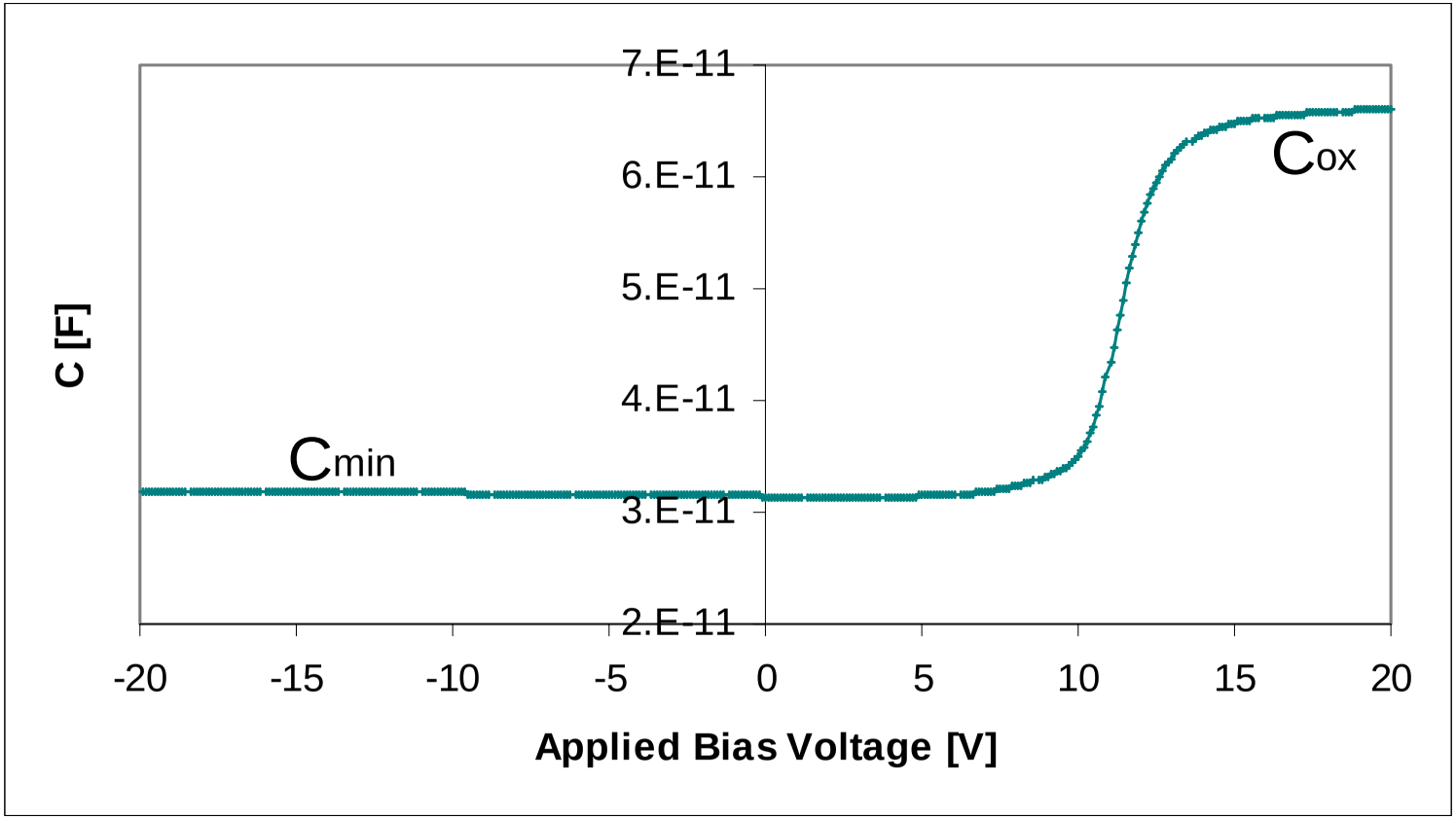
Make sure you measure slow enough so that you will find the high frequency curve.

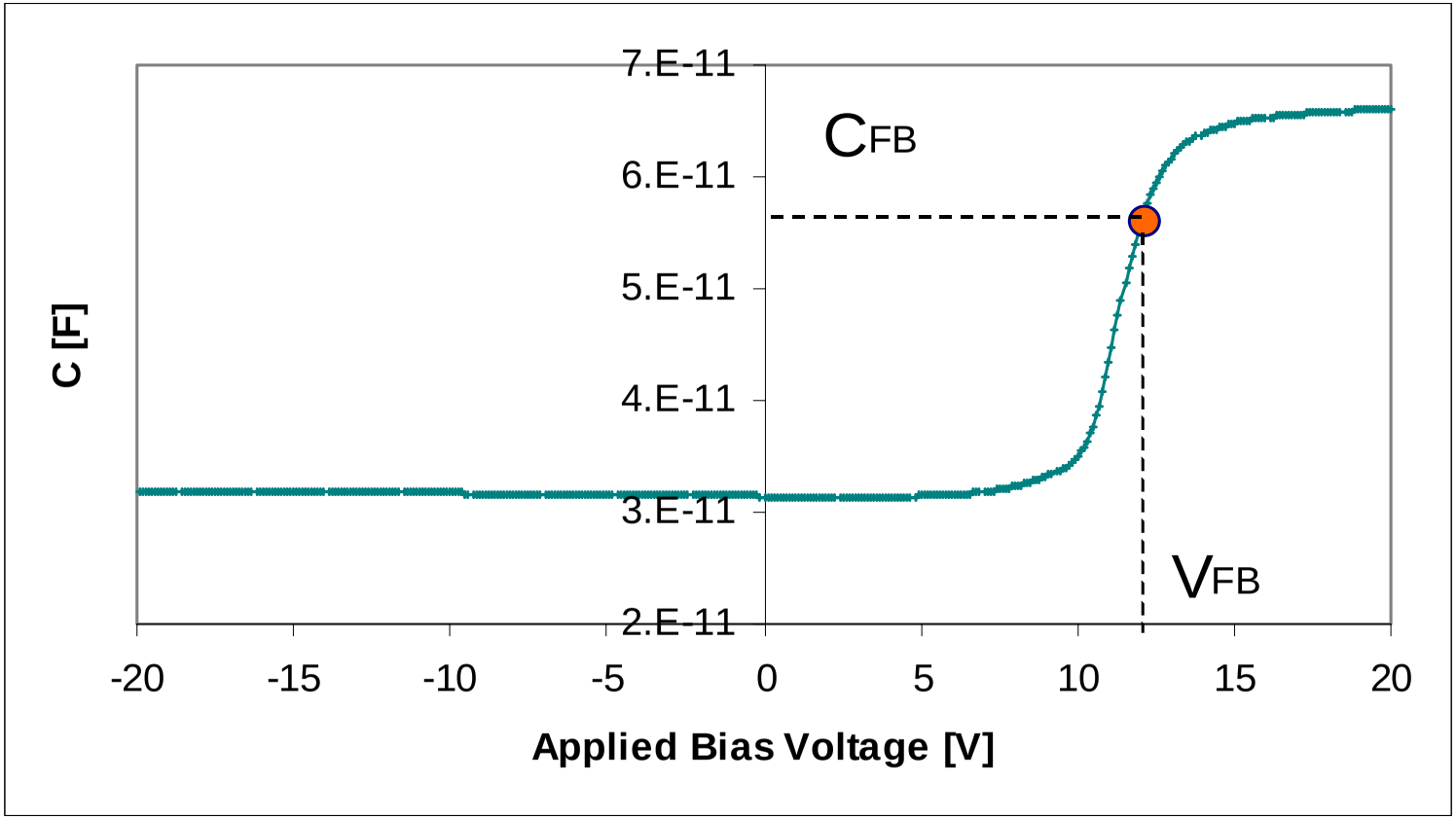




$$C_{ox} = \frac{K_s \varepsilon_0 A}{W_{ox}}$$

$$\log(N_A) = 30.38759 + 1.68278 \log\left(\frac{C_{sf}}{A}\right) - 0.03177\left[\log\left(\frac{C_{sf}}{A}\right)\right]^2$$

$$C_{sf} = \frac{RC_{ox}}{1-R} \qquad R = \frac{C_{min}}{C_{ox}} \qquad N_A \text{ in } /cm^3 \text{ and A in } cm^2$$



$$\frac{C_{FB}}{C_{ox}} = \frac{1}{1+136\dfrac{\sqrt{T/300}}{W_{ox}\sqrt{N_A}}}$$

$$Q_f = \left(\phi_{MS} - V_{FB}\right)C_{ox}$$