Digisim examples

Role of α v = 0.01 V/s Canal = 0.001 mol/L

**File: Rev CV**

α = 0.5 k = 1e4 cm/s

 α = 0.1 k = 1e4 cm/s

 α = 0.1 k = 1e-3 cm/s

 α = 0.9 k = 1e-3 cm/s

Role of k on ΔEp

 α = 0.5 k = 1e4 cm/s v = 1 V/s & v = 100 V/s

 α = 0.5 k = 1e-2 cm/s v = 1 V/s & v = 100 V/s

**File EC’ CV** A + e = B E0 = 0.00

 B + C = A + D Keq = 1e5 Kf = 10 Kb = 1e-4

CA = 1e-3 M CC = 0.1 M Run 10 V/s, 0.100 V/s, 0.010 V/s

**File CE CV** A = B Keq = 0.003 Kf = 1

 B + e = C E0 = 0.0

 CA = 0.001 M CB = 0

 Run 1000 V/s, 100, 0.3

**File EC**  A + e = B E0 = 0.0 V CA = 0.001 M

 B = C Keq = 1e4 kf = 1

 Run 10 V/s. 0.5, 0.1