Vae Jay + Jegt + Vpi. VP = VPi-VPe onal AVayt = Vai - VPi (Vae-Vai) + (Vai-Vpi) + (Vpi-Vpe) + (Vpe-Vae) = 0 -Va + DV cyt + Vp + DVoct = 0 Va-Vp = DVcy2 + DVect By conservation of charge I2 = Igy = Ip = Iext How do no deal with the diffusion component of the comportments?
Actually it is not on usue. The currents are not of themic We can however suppose that I at I want is ohmic in nature as revill assume that Rock there is negligible diffusion. The concentrations are Romageneous on the ontside. Their wordy drift. Will need DVgyt = Va - Vp - DVext to colculate

the intercomportment diffusion / druft currents 2 DVoct = Rext Jost Rock can be calculated 9) will be a function of the ton concentrations and the geometry of the autoide space measured interns of an affective drift over well wint. In a first step, we can just use on estimated value. To understand the impact of Roch, we could Obs surgly tract Figz = A Vags and then re have  $\sqrt{3} - \sqrt{p} = \Delta V_{ay2} + \Delta V_{oct}$ = ICRait + Rect) Movever, since the motion of impromeent onions is one usue that he are trying to understand But outher relations true of me one not in DVcyr = Va - Vp - DVoort