## Ec dif ordinarias Problemo varios: Ponto 1 A: Usando fuerza lorentz mustre que el problema se reduce a: dyx = -wovy sin(we) dy = + wovx sin(we) $\frac{\partial V_2}{\partial t} = 0$ => $\frac{\partial V_3}{\partial t} = 0$ = 19 $\frac{\partial V_3}{\partial t} = 0$ = 0.3 F= q(VXB) a= 튜 = 유(VXB) => VXD = ( VXi + Vy i + V2 +) x (Bx2 + By5 + Bz 2) B2=0 => Fx = 9 (Vx By -Vy Bx) Fy = 9 (Vx By - Vy Bx) => MOUX = q (VxBy-VyBx) $M \frac{\partial V}{\partial t} = q \left( V_{x} B_{y} - V_{y} B_{x} \right)$ Wo = 9 Bo $\beta_2 = 0 \Rightarrow \frac{\partial V_2}{\partial \xi} = 0$