





(xyz) = (1+co(t), co(t), 2 re (t/2))  $x^{2}+y^{2}+z^{2} = 1+2 co(t) + co^{2}(t) + co^{2}(t) + 4 re^{2}(t/2)$ = 2 + 2 cor(+) + 4 re 2(1/2) con(1/2+001/2)  $= 2 + 2 \cos^2(t/2) - 2 \cos^2(t/2) + 4 \cos^2(t/2)$   $= 2 + 2 \cos^2(t/2) + 2 \cos^2(t/2) = 4$ =>  $\chi^{2}+\chi^{2}+\chi^{2}=4$ = (x-1)+ y2 = (or2(t)+ re-2(t) = ) V = Z = 2 re-(+(z) > 0 + + = [0, 217) => (xy z) e C => I\_(v) c C. Vena que Cc In(s). Seo (x,y,z) ∈ (=>(x-1)^2+y^2=1 => ∃te[0,27)/  $\frac{\zeta_{0-0} \times^{2} + y^{2} + 2^{2} = 4}{-2} = \frac{z^{2}}{4} = \frac{4 - x^{2} - y^{2}}{4} = \frac{4 - (\alpha^{2}(t)) - 2 \cos(t) - 1 - ne^{2}(t)}{-2 \cos(t)}$ =2-2 cor(+) $= 2\left(1 - \cot^2(t/z) + e^2(t/z)\right)$   $= 2\left(2 - \cot^2(t/z) + e^2(t/z)\right)$   $= 4 - \cot^2(t/z)$  $\Rightarrow 2^{2} = 4 ne^{2}(1/2) \Rightarrow 2 = 2 ne^{2}(1/2)$ => (xg2)= (1+ ca(t), re(t), 2 ren(t/2)), fe[0,27) => I~(0)= C.