-. (1): 7a(+) = Va(+) sind(+) { / /6(+) = Ve(+) sin (6+) (Xa(+) = Va(+) Cusa(+) | Xb (+) = Vb(+) Cus (S++) (2): B(+) = O(+). (3): 12 V=Va. 加 VaH)=V VbH)= AV 如图可: r(+ be) = \( (r(+) - 2061)^2 + (Vot)^2 - 2(r(+) - 2064) Vot Cos(2 - O(+) + d(+)) =  $\sqrt{r(4)} + 2r(4)$  st  $(-\lambda v + VGS(0|4) - d(4|)) - (6t)^{2}(v^{2} + 2\lambda VGS(0(4) - d(4|))$ = r(+) + (-x+ w3(0-d)) V bt + o(bt) 袋 dt = (-入+ WS(O(+)- d(+))) V of V(+)= (-) t cos CO(+)- 2(+1)) Va. 14): W r((+) = (-1+ cso(+))V Xa(+)= UE 7a(+)= 0. Xb(+)= Xot Jox 20 Sin 0 5) ds \$\frac{1}{\text{canO(+)}} = \frac{\sqrt{36(1)}}{\text{x\_b(+)} - \text{v}} \frac{\text{of} \text{V} \text{V} \text{Q(+)} \quad \text{A(+)} \quad \text{A(+)} \quad \text{V} \text{V} \text{V} \text{V(+)}. 二.11)· 战舟以Wo为南进度额,到Va= awo, Vb=nawo.  $\frac{dy(t)}{dx(t)} = tanw = \frac{dy}{dt} = tanw \frac{dx}{dt}.$ A(acso(t), asinO(t)) 技术 O(t)=Wot. 例 Oat. 从有 do = tanw do 由A.B的速度发育:  $n(\alpha \theta) = \int_{0}^{\theta} \sqrt{(x'(s))^{2} + (y'(s))^{2}} ds$   $= \int_{0}^{\theta} \frac{1}{\omega s w} x'(s) ds = \frac{1}{\omega s w} x'(s) \Big|_{s=0}^{s=0} = \frac{x(\theta)}{\omega s w}$ ·双 人(0)= had Cosw, Jeot- nao sonw 12 do = na asw, do = na sin w

(3):  $(X - a \omega so)^2 + (y - a sing)^2 = \rho^2 = \frac{\rho^2}{a^2} = \frac{\rho^2}{a^2}$ 

