$$\Delta X = C73\beta\Delta | - Sin(\beta+\psi)\Delta 2$$

 $\Delta Y = Sin\beta\Delta | + C73(\beta+\psi)\Delta 2$

(COSB CM 1 K, - sin (B+4) CM2 Kz=D --- D (Sinf CM) K, + C+5 (B+4) CM2 K2 = 222 (2) SinBCM1 Ki + CO3 (B+4) CM2 K2 = D - ~ ~ (3) CO3B CMIK! - Sin (B+ 4) CM2K2 = 222 田 DB CMIKICBS= CM2 K2 Sin(B+4) CMIKISINS=- CM2 K2' CV6(B+4) 3. $\frac{k_1}{k_1'}\cot\beta = -\frac{k_2}{k_2'}\tan(\beta+\varphi)$ 由(2)(4) CMI (KISING - KICBB) + CM2 (KICB(B+P+KZ'SIN(B+Q)) = 0 K2003(B+Q)+ K2'Sin(B+Q) C. MI CM2 KISING-KICOS B

DOB CM1 (K1 CM3 p + K1 Sin p) + CM2 (-K2 Sin (p+ p) + K2 CM3 (p+ y)) 20

2. CM | K25in (B+4)-K2 (03 (B+4))

Kicosp+Ki'Sinp CM2 K2003(ptq)+ K2'Sin(p+q) Kisin (B+4)-kz (03 (B+4)) Kicosp+Kisinp -KISINB+KICBB K, K2C03 ρ C13(β+4) + K, K2' C03 β Sin (β+4) + K, 'K2 Sin β C03(β+4) + K, 'K2' Sin β sin (β+4) $= -k_1 k_2 \sin \beta \sin (\beta t \varphi) + k_1 k_2 ' \sin \beta \cos (\beta t \varphi)$ $+ k_1 ' k_2 \cos \beta \sin (\beta t \varphi) - k_1 ' k_2 ' \cos \beta \cos (\beta t \varphi)$ Bp: k, k2 Cv3(β-β-4)+ K, k2' Sin (β+ β-β) + K, 'K2 Sin (β-β-β)+ K, 'K2' Cv3 (β+ β-β) = 0 Kikz Co3 P + Kikz Sin P - Ki Kz Sin P + Ki kz Cos 9=0 2. Cos y (K, k, + K, 'kz') = Sin y (K, 'kz-k, kz') Kiket Kike intomy = K1 K2 - K1 K2 Ki cot B = $\frac{k^2}{k^2}$ ton $(\beta + \gamma)$ tan B+tan P ton (Btp)=

/ toup toup K2 tang+tang

K2 T-tangtang KI tanp KIKZ' ton p+ ton p Kikz tomp 1-ton stang K(I-tanp tanp) = tanp tanp tanp K-Kitanstany = tan2p+tanytanp tan2p+(|+k)tanptanp-k=0

tanp=-(k+v)tanptanp+b2+4k COSP CM/K, - sin (B+4) CM2Kz=0 --- 0 Sins CM/K, + Crs (B+4) CM2 K2 = 144 - (2) sing can Ki + cos (B+4) can 2 K2 = 0 - - - (3) COSS CANIK! - SIN (B+4) CM2K2 = 144 - (ig) CMIKISTAB + CMIMKZ CO3(p+Q)=y K25in (B+4)-K2 (M3 (B+4) CM

CM2 $K_1 COS \beta + K_1 Sin \beta$ CM2 $K_1 COS \beta + K_1 Sin \beta$ CM1 $K_2 Sin (\beta + \varphi) - K_2 COS (\beta + \varphi)$ CM1 $K_1 Sin \beta + mK_2 COS (\beta + \varphi)$ $F(Sin \beta + mK_2 COS (\beta + \varphi))$

对子义,Y运动为阿不同的两种情况 区别仅在子解为程时①中的,包中的结果复为 tan Y=- k, K2+ k, K2+ k, K2 K, K2- K, K2- K, K2- K, K2!