x1 = l1 cos91 11092 y, = 1151791 g(9) $y_2 = e_1 \cos 9, + e_2 \cos 92$ $y_2 = e_1 \sin 9, + e_2 \sin 92$ Differentiation above equal or $n_2 = -1189, 9, -1289292$ 12 = 44, 9, + 129292 $\begin{bmatrix}
 i \\
 i \\
 j \\
 j \\
 \end{bmatrix}
 =
 \begin{bmatrix}
 -l_{5}q_{1} \\
 -l_{2}Sq_{2} \\
 \end{bmatrix}
 \begin{bmatrix}
 q_{1} \\
 j_{2}
 \end{bmatrix}$ relocity

vel

ot

ot

joint

sipi — (2)

y2 | A | A | A | A |

vel

ot

joint

joint

A | A | A | A |

vel

ot

joint

joint

A | A | A |

vel

ot

joint

joint

A | A | A |

vel

ot

joint

ot

joint

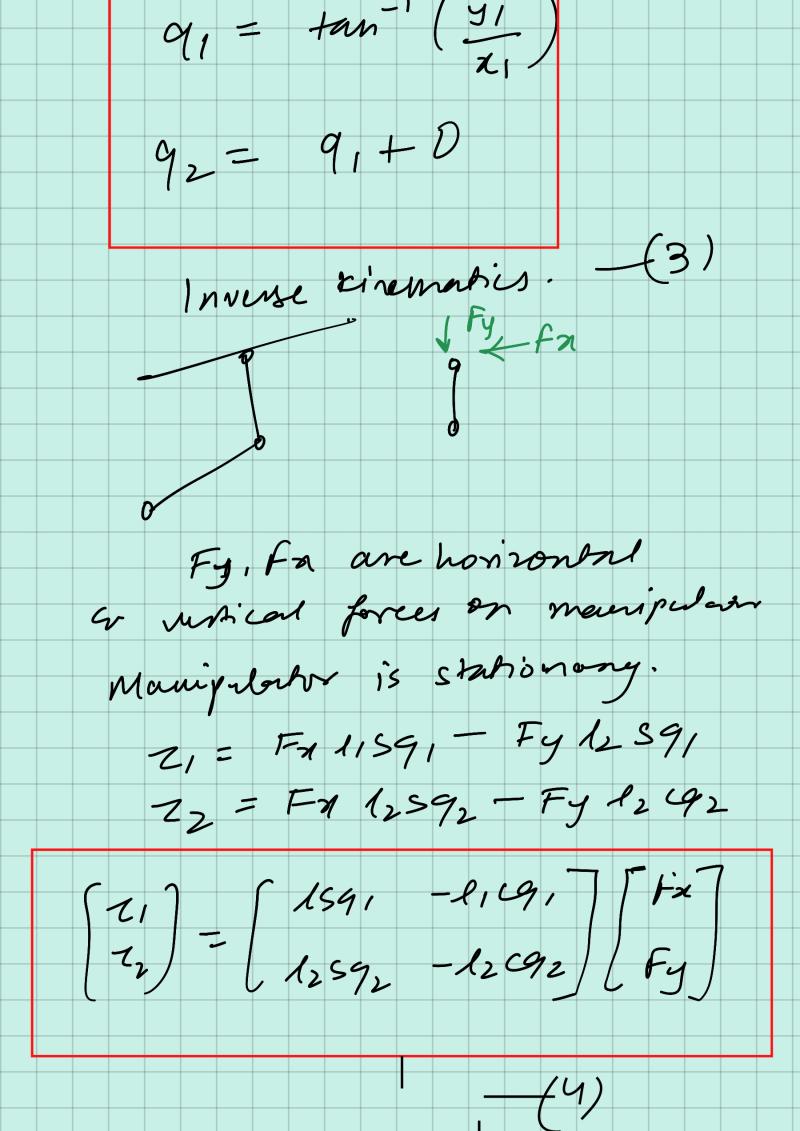
joint

ot

joint

joint DOAL,

Applying cosine law in DOAB, $l^2 = l_1^2 + l_2^2 - 2l_1 l_2 cos(\pi - 0)$ $\cos\theta = ((i + hi) + i') = 0$ -2l1 l2 $\theta = \frac{(2)}{(2)} \left(\frac{(2)^{2} + (2)^{2}}{2(1)^{2}} \right)$ sin 0 = 11-cos20 == 11-02 $tan\theta = \frac{\sin\theta}{\cos\theta} = \pm \sqrt{1-0^2}$ + gives el bow up and down configuration 0=tan-151-02



Statics equal Dynamics equations in Dynamis pof codes in folder. Foo spring like notion. 7 = KA9 + Dynamics drawis effect draw of my - (5) Ag car be found by inverse Kinematis. from 1x

