(min by
$$\frac{1}{q(t)} = \begin{pmatrix} w_{x} + \cos(\theta(t)) \\ w_{y} + \sin(\theta(t)) \\ \mu(t) \end{pmatrix} \text{ in } q = (n, y, 0)$$

$$\frac{1}{q(t)} = \begin{cases} w_{y} + \sin(\theta(t)) \\ \mu(t) \end{cases} = q_{y}$$
(2)  $H(p_{y}, u) = p_{x}(w_{x} + \cos(\theta))$ 

$$+ p_{y}(w_{y} + \sin(\theta))$$

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$$+ p_{y}(w_{y} + \sin(\theta))$$
(3)  $p(t) = -\frac{2H}{2q}[t] = \begin{pmatrix} 0 \\ p_{x} \sin(\theta) \\ -p_{y} \cos(\theta) \end{pmatrix}$ 
(4)  $H[t_{y}] = -p^{2} = 1$ 

(5) 
$$\mu(p_0)$$
 (6)  $\{-1\}$  &  $p_0$  (7)  $\{-1\}$  &  $p_0$  (8)  $\{-1\}$  &  $p_0$  (9) (1)  $\{-1\}$  &  $p_0$  (1) &

det 
$$(A) = cos(G(A))^2 + sin(G(A))^2$$

det  $(A) = L$ 

donc  $P_{A} = P_{Y} = 0$ 

donc  $H[Y] = 0$  or

 $H(Y) = 0$  or

 $H(Y) = L$ 

donc  $0 = 1 = 1$  Contradiction,



y a w