P=[:] P' = wcx2. P = [ "] where w(e).(p)= P w(e), p = f ( +(x), p) H(x) =  $e^{A(x)}$ ,  $A(x) = \sum_{i=1}^{8} X_i \cdot G_i$ ,  $G_i \in S(3)$ .  $f([X_i]) = [X_i] \cdot (tunskte from 3DH = 2D) S(3) is set of$ motores, in which each

(i) have tracelasto

950 trace (Au) = 0 Region - Base trucking, basic I du As = 2(I(PE) - I(W(XC).(PR))) = 0 Usy Lie Agelon , Suppose: 600 W(AX . Xc) EP) = W(AX) (W(X)(P))) (The reason of defining HI(X) = e A(X)) AX = (](WOX) PK) - ](W(AX = XU) PK) > sernatoral Taylor equation: 82-place + his into. AS = - = ( Jesm ) Ax Jesm = ( 3) Wesces + 31 (wesces) + 31 (wesces) during Ax x -2 Jesm As. Jesm = (Jesm Jesm ) Jesm for k put ASK & - & (Jenr) AX Jesme = (22(wce)(Pr)) + 23(wxxx) Pr) 2 ducxx Pr

Jet: 
$$\frac{\partial L(\omega(x), p_v)}{\partial P_v} = \begin{bmatrix} 1 \\ x \end{bmatrix}_{y} \end{bmatrix}$$
 to place given to.

 $\frac{\partial J(\omega(x), p_v)}{\partial P_v} = \begin{bmatrix} 1 \\ \omega x \end{bmatrix}_{xy} \end{bmatrix}$  was project year to.

 $\frac{\partial J(\omega(x), p_v)}{\partial P_v} + \frac{\partial L(\omega(x), p_v)}{\partial P_v} = \begin{bmatrix} 1 \\ 1 \\ x \end{bmatrix}_{xy} \end{bmatrix}$ 

$$\frac{\partial L(\omega(x), p_v)}{\partial P_v} = \frac{\partial J(\omega(x), p_v)}$$

Recall 3

Ast= -= Jesne Ax.

J. J.

l. .

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