$$CD = (0.341 + 6.22 \cdot d)^{2} \cdot (0.0516 + 0.02)$$

$$P = \frac{1}{2} \cdot V^2 \cdot \left[ (0.347 + 6.22 \cdot \alpha)^2 \cdot 0.0516 + 0.023 \right]$$

$$T = 20000 + 432000.8T$$

$$Xp = \omega_{5}(0.0378) \cdot (20000 + 432000.8T)$$

$$Zp = 51/2(0.0378 - (2000 + 432000.8T)$$

4) 
$$\dot{V} = \frac{x_p - p}{B0000} - 9.81. sih(300r)$$

5) 
$$\dot{\chi} = \frac{(L-Z_p) \cdot \sin(u)}{130000 \cdot V \cdot \cos\gamma}$$

6) 
$$\dot{r} = \frac{(L-2p) \cdot cos u}{13 ooro. V} - \frac{cos V \cdot 18.81}{V}$$

8). According to the supports and signals, the current state and state derivatives are marked out.

- 10) Yes. it is good. Because the cures of of and of one respectively one almose ordered.
  - 12). The linear approximation is very bad. Become the shieral serangle is too large and the linearized egration are simplified anomal. of=0.

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