Fault report | casadi_free_variables

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Title: casadi_free_variables

Problem Encountered:

trying to define the RK4 discrete function using the already established model, the continous f (k1 =f(xk, uk) etc) fails to initialize because some variables are free.

Solution Implemented:

Our kinematics are formatted in a way that x_state_dot = f(x_state,u_control,x_state_dot).Thecircular dependency is obvious. To fix this, we control the derivatives of the inputs delta and D,andyou must use the expression for vx_dot in f_expl (instead of vx_dot). Cheers

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