Fault report | casadi_free_variables

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Title: casadi_free_variables

Problem Encountered:

.../casadi/core/mx_function.cpp:409: f::init: Initialization failed since variables [delta_dot, vx_dot] are free. These symbols occur in the output expressions but you forgot to declare these as inputs. Set option 'allow_free' to allow free variables.

Solution Implemented:

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

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