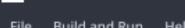File   Build and Run   Help

BOCOP   Definition   Starting Point   Optimization   Visualization

Parameters and Dimensions

Variables Names

Variables	Names
State	
state #0	suceptible
state #1	exposed
state #2	infected_symptomatic
state #3	infected_asymptomatic
state #4	recovered
state #5	death
state #6	vaccinated
state #7	treated
state #8	c_v
state #9	mayer_state
Control	
control #0	u_V
control #1	u_T
Algebraic Variables	
Optimization Parameters	
Boundary Conditions	
boundarycond #0	s_0
boundarycond #1	e_0
boundarycond #2	i_s_0
boundarycond #3	i_a_0
boundarycond #4	r_0
boundarycond #5	d_0
boundarycond #6	d_f
boundarycond #7	v_0
boundarycond #8	treated_0
boundarycond #9	cv_0
boundarycond #10	cv_t_f
boundarycond #11	mayer_state_0
Path Constraints	
constraint #0	conservation_law
constraint #1	hospitalization_constraint
constraint #2	mortality_constraint
Constants	
constant #0	beta_s
constant #1	beta_a
constant #2	epsilon
constant #3	delta_e
constant #4	delta_v
constant #5	delta_r
constant #6	p
constant #7	alpha_a
constant #8	alpha_t
constant #9	alpha_s
constant #10	mu
constant #11	mu_s
constant #12	mu_t
constant #13	lambda_v
constant #14	lambda_t
constant #15	a_s
constant #16	a_d
constant #17	a_v
constant #18	c_v
constant #19	c_t
constant #20	h_max

Bounds

Constants Values