

List of Symbols

Symbol	Description
β	constant even number
$\alpha_1, \alpha_2, \alpha_3$	Class $-\kappa_\infty$ functions
γ	$-\kappa$ function
L	Lipschitz constant
σ	ETSMC design parameter
t_i	Sequence of triggering instants
T_i	Inter execution time
$C_1, C_2, C_f, C_o, C_{in}$	Capacitors
L_1, L_2, L_f, L_o	Inductors
R, R_1, R_2, R_L	Resistors
D	Effective duty cycle
n	Transformer ratio
V_o	Output Voltage
V_{in}	Input Voltage
c	Coefficient matrix
s	Switching surface
\tilde{e}	Difference between state and its reference
e	Difference between last triggered and present state
V	Lyapunov function
α	Tuning parameter
Ω	Sliding band
A	System matrix
B	Input matrix
$a, b, \lambda, \mu, \Gamma, \beta$	positive constants
Δ	sliding band size
ψ	Uncertainty
ψ_m	Matched Uncertainty
u_o	Nominal Control
u_n	Non-linear ISM control
η	Reachability condition positive value
G	Sliding surface design matrix

