

Combustion in the Aircraft Engines

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List of symbols

A	area
C_A	angularity coefficient accounting for angularity losses
C_D	discharge coefficient
C_F	thrust coefficient
C_V	velocity coefficient accounting for friction losses
CV-DV	convergent - divergent
F	thrust
FAR	fuel air ratio
M	Mach number
P	pressure
T	temperature
V	velocity
W	mass flow

Subscripts

e	effective
i	ideal
s	isentropic or fully expanded
t	total condition
γ	specific heat ratio
0	free stream
7	nozzle inlet
8	nozzle throat
9	nozzle exit.