4. TABLE OF SYMBOLS

Where necessary the symbols, as given in the original documents, have been changed to ensure uniformity.

a	Constant
a'	Constant
A	Constant
b	Constant
c	Concentration of chain carriers
c_{io}	Original concentration of initial material
c_i	Concentration of initial material
C	Constant
D	Tube diameter
e	Base of natural logarithms
E	Energy of activation
E_s	Apparent energy of activation
G	Free energy
k	Velocity constant
k_1	Velocity constant for reaction of chain carrier with initial material
k_α	Velocity constant of chain branching reaction
k_β	Velocity constant of chain breaking reaction

K	Constant
K_2	Constant
m	Adiabatic exponent
M	Molecular weight
n	Constant
N_{io}	Initial indicated power
N_i	Indicated power
p	Pressure
p_o	Minimum starting pressure
p_{me}	Mean effective pressure
R	Gas Constant
t	Time
T	Absolute temperature
T_e	Absolute ignition temperature
T_a	Absolute inlet temperature
U	Heat transfer coefficient
v	Fresh gas velocity
V	Volume
w	Reaction velocity
w_o	Velocity of primary chain formation
W_{LO}	Initial air charge weight
W_L	Air charge weight
W_X	Charge weight of oxygen carrier

x	Proportion of initial material transformed
z	Ignition velocity
z_j	Sum of the internal degrees of freedom of a monatomic gas
ε	Critical compression ratio
κ	Ratio of specific heats c_p/c_v
λ	Excess air coefficient
ν	Number of quadratic terms on which the energy is distributed
ρ	Density
σ	Air value
τ	Ignition delay
ϕ	Constant