
LIST OF ACRONYMS

ADF	Absorption distribution function model		related-k model
ADFFG	Absorption distribution function fictitious gas model	NB	Narrow-band model
BEM	Boundary element method	PDF	Probability density function
CFD	Computational fluid dynamics	PIM	Porous inert medium
CK	Correlated-k model	PMMA	Polymethylmethacrylate
CKFG	Correlated-k fictitious gas model	PPMC	Premixed porous medium combustor
DNS	Direct numerical simulation	PSIC	Particle source in cell method
DOM	Discrete ordinates method	RADCAL	Computer program for calculating radiance along the line-of-sight based on SNB data
DTM	Discrete transfer method	RANS	Reynolds-averaged Navier-Stokes equations
EBU	Eddy break up model	RTE	Radiative transfer equation
EDC	Eddy dissipation chemical equilibrium model	SLW	Spectral line weighted-sum-of-gray gases model
EM	Electromagnetic wave theory	SNB	Statistical narrow-band model
EPF	Even parity formulation	TRI	Turbulence/radiation interaction
EWB	Exponential wide-band model	TTNH	Total transmittance non-homogeneous model
FSCK	Full-spectrum correlated-k model	WB	Wide-band model
FVM	Finite volume method	WSGG	Weighted sum-of-gray-gases model
LBL	Line-by-line model	YIX	Numerical method for solving exact integral form of RTE
LES	Large eddy simulation	ZM	Zone method
LTE	Local thermodynamic equilibrium		
MCM	Monte Carlo method		
MFM	Multiflux method		
MSFCK	Multiscale full-spectrum cor-		