



# Reduced kinetic mechanisms for applications in combustion systems [

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Springer-Verlag, 1993

Llibres electrònics

Monografía

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**Título:** Reduced kinetic mechanisms for applications in combustion systems Recurs electrònic] Norbert Peters, Bernd Rogg (eds.)

**Editorial:** Berlin New York Springer-Verlag 1993

**Descripción física:** 1 recurs electrònic (x, 360 pages) illustrations

**Tipo Audiovisual:** Combustion Combustion. fast

**Mención de serie:** Lecture notes in physics. New series m, monographs 0940-7677 m15

**Bibliografía:** Includes bibliographical references and index

**Contenido:** Flame calculations with reduced mechanisms : an outline / N. Peters -- A compilation of experimental data on laminar burning velocities / C.K. Law -- Reduced kinetic mechanisms for premixed hydrogen flames / F. Mauss [and others] -- Reduced kinetic mechanisms for wet CO flames / W. Wang, B. Rogg, F.A. Williams -- Reduced kinetic mechanisms for premixed methane-air flames / F. Mauss, N. Peters -- Premixed ethylene/air and ethane/air flames : reduced mechanisms based on inner iteration / W. Wang, B. Rogg -- Reduced kinetic mechanisms for premixed acetylene-air flames / F. Mauss, R.P. Lindstedt -- Reduced kinetic mechanisms for premixed propane-air flames / C. Kennel, F. Mauss, N. Peters Reduced kinetic mechanisms for premixed methanol flames / C.M. Müller, N. Peters -- Structure and extinction of non-diluted hydrogen-air diffusion flames / C. Treviño, F. Mauss -- Structure and extinction of hydrogen-air diffusion flames / E. Gutheil, G. Balakrishnan, F.A. Williams -- CO-H<sub>2</sub>-Nb<sub>2</sub>s/air diffusion flames : thermal radiation and transient effects / J.-Y. Chen, Y. Liu, B. Rogg -- Reduced kinetic mechanisms for counterflow methane-air diffusion flames / H.K. Chelliah, K. Seshadri, C. K. Law / Reduced kinetic mechanisms for acetylene diffusion flames / R.P. Lindstedt, F. Mauss -- Reduced kinetic mechanisms for propane diffusion flames / K.M. Leung, R.P. Lindstedt, W.P. Jones Reduced kinetic mechanisms for counterflow methanol diffusion flames / C.M. Müller, K. Seshadri, J.Y. Chen -- Reduced kinetic mechanisms

and NO<sub>x</sub> formation in diffusion flames for CH<sub>4</sub>/C<sub>2</sub>H<sub>6</sub> mixtures / S.H. Chung [and others] -- Appendix A : Flamelet libraries : description of the data format and catalogue of existing libraries / J. Göttgens, F. Mauss -- Appendix B : RedMech : an automatic reduction program / J. Göttgens, P. Terhoeven -- Appendix C : RUN-1DL : the Cambridge Universal Laminar Flamelet Computer Code / B. Rogg

**ISBN:** 9783540475439 electronic bk.) 3540475435 electronic bk.) 3540563725 9783540563723 0387563725  
9780387563725

**Autores:** Peters, Norbert Rogg, Bernd ( 1951-)

**Punto acceso adicional serie-Título:** Lecture notes in physics. New series m Monographs m15 SpringerLink eBooks

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