

Combustion phenomena : selected mechanisms of flame formation, propagation, and extinction

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Abstrak

Taking you through the stages of combustion, leading experts visually display, mathematically explain, and clearly theorize on important physical topics of combustion. They discuss combustion chemistry, flammability limits, spark ignition, counterflow twin-flame configuration, flame in a vortex core, edge flames, instabilities, and tulip flames. The book describes flame extinction in narrow channels, global quenching of premixed flames by turbulence, counterflow premixed flame extinction limits, the interaction of flames with fluids in rotating vessels, and turbulent flames