

combustion, explosion, and shock waves, vol 33, no. 2, 1997 - combustion, explosion, and shock waves, vol 33, no. 2, 1997 gap effect on the initiation of detonation of gas mixtures in cylindrical combustion chambers. **combustion behind shock waves - joseph shepherd** - be called a convective explosion or fast flame. the transition between these two modes of combustion is an important issue in flame acceleration and transition from deflagration to detonation. in this study, we examine the range of pre-mixed combustion modes possible behind shock waves through numerical solutions of the one-dimensional, steady reactive navier-stokes equations with a detailed ... **combustion, explosion, and shock waves** - combustion, explosion, and shock waves 1) the entire tube was filled with a uniformly mixed mixture of mo-cu powders in the ratio 50/50 by weight; **combustion, explosion, and shock waves - springer** - and combustion of hydrocarbons, there is a need for the method of nonextensive construction of dkms with the restriction of a variety of products and reactions, but with the conservation of the basic channels combustion, explosion, and shock waves oxidation and combustion mechanisms of paraffin hydrocarbons: transfer from c₁ to c₇ to c₈ h₁₈, c₉ h₂₀, and c₁₀ h₂₂ v. ya. basevich, a. a ... **combustion, explosion, and shock waves - springer** - combustion and explosion, engine and power unit combustion, production of new materials by shock and detonation waves, explosion welding, explosive compaction of powders, dynamic responses of materials and constructions, and hypervelocity impact. **combustion, explosion, and shock waves, vol. 33 ... - springer** - combustion, explosion, and shock waves, vol. 33, no. 5, 1997 theory of propagation of slow heat waves in a catalytic bed in a reversible reaction **shockless explosion combustion - tu berlin** - eration due to shock waves, and exergy losses due to kinetic energy. this work proposes a new way to implement cvc in a gas turbine combustion system: shockless explosion combustion (sec). this technique utilizes acoustic waves inside the combustor to fill and purge the combustion tube. the combustion itself is controlled via the ignition delay time of the fuel-air mixture. by adjusting the ... **combustion, detonation, shock waves, and molecular kinetics** - of the theory of propagation of explosion waves in suspensions of fuel in air and oxygen. the fuels investigated were liquid nitrates, decane, and pentane at various mach numbers of the shock wave. **thermal decomposition and combustion of ammonium ...** - combustion, explosion, and shock waves, vol. 41, no. 6, pp. 657-679, 2005 thermal decomposition and combustion of ammonium dinitramide (review) r. yang, 1 p. thakre ... **structure of shock wave for a viscous combustion model** - in fact, detonation is a rapid and violent processes of combustion generating a strong shock wave which is sustained by chemical reactions. detonations can be produced by explosives, reactive gaseous mixtures, certain dusts and aerosols. **combustion, explosion, and shock waves** - spinecom combustion, explosion, and shock waves journal metrics 2016 downloads - 2016 springer measures the usage on the springerlink platform according to the counter **explosion: fuel, oxygen and heat. the fuel in a combustion ...** - explosion: fuel, oxygen and heat. the fuel in a combustion engine explosion driving an automobile is gasoline; the fuel in a backdraft explosion is smoke. fire protection engineers define the term explosion as an "effect" produced by a sudden violent expansion of gases. some "effects" of an explosion are shock waves, which can shatter windows, blow down firefighters and collapse walls ... **2018 russian federation section of the combustion ...** - other countries for essential contribution to theory and practice of combustion and explosion, shock waves suppression, fire and explosion safety • the decision on awarding the beland medal is taken once per year in october by the commission on awarding the beland medal, which is formed by the members of the russian section of the combustion institute approved by the chairman of ... **rankine-hugoniot relations in relativistic combustion waves** - shock waves for radiating fluids (cissoko 1997) and for fluids in magnetic fields (mallick 2011) have been presented, a general analysis of combustion waves describing subsonic **radiographic study of interaction of shock and detonation ...** - combustion, explosion, and shock waves, vol. 43, no. 3, pp. 365-371, 2007 radiographic study of interaction of shock and detonation waves in a high explosive

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