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## SIMPLIFIED TWO-TIME STEP METHOD FOR CALCULATING COMBUSTION RATES AND NITROGEN OXIDE EMISSIONS FOR HYDROGENAIR AND HYDORGENOXYGEN



Simplified Two-Time Step Method for Calculating Combustion Rates and Nitrogen Oxide Emissions for Hydrogen/Air and Hydorgen/Oxygen

NASA Technical Reports Server (NTRS), Melissa Molnar, John C. Marek

Bibliogov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 44 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. A simplified single rate expression for hydrogen combustion and nitrogen oxide production was developed. Detailed kinetics are predicted for the chemical kinetic times using the complete chemical mechanism over the entire operating space. These times are then correlated to the reactor conditions using an exponential fit. Simple first order reaction expressions are then used to find the conversion in the reactor....

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