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E_i , O_2 (R T) where Y_{O_2} is the mass fraction of oxygen, m_i is its reaction order, then this item $Y_{O_2} m_i$, O_2 is used for representing the effect of oxygen on the certain component. Kinetic model and parameters study of lignocellulosic ... calculation of equilibrium reverse rate constants. 3. Carry out and/or find in the literature reliable experiments that depend on some or all of the rate and transport parameters in the model. 4. Use a computer application to solve the reaction mechanism kinetics and any transport equations, computing values of the observables for these ... Detailed chemical kinetic models for the combustion of ... STUDY GUIDE FOR CONTENT MASTERY Reaction Rates Section 17.1 A Model for Reaction Rates

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mechanism, (c) enthalpy of reaction, (d) rate of forward step, (e) rate of reverse step.

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$$\frac{dY_i}{dt} = -\nu_i \frac{d\xi}{dt} \exp\left(-\frac{E_i}{RT}\right)$$
 where Y_i is the mass fraction of oxygen, ν_i is its reaction order, then this item ν_i is used for representing the effect of oxygen on the

certain component.

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