

## *Chemical Kinetics Reaction Dynamics Solutions Manual*

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### **Chemical Kinetics Reaction Dynamics Solutions**

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Science and medicine. Kinetics (physics), the study of motion and its causes Rigid body kinetics, the study of the motion of rigid bodies; Chemical kinetics, the study of chemical reaction rates . Enzyme kinetics, the study of biochemical reaction rates catalysed by an enzyme . Michaelis-Menten kinetics, the widely accepted general model of enzyme kinetics

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where  $A_j$  is the pre-exponential factor of the reaction  $j$  and  $u$  is the liner velocity of the unreacted gas in the flame fixed coordinate (i.e., laminar flame speed). We conducted sensitivity analysis for laminar flame speed and listed elementary reactions which had relatively large values of sensitivity coefficients (see Table S1 for details). For these reactions, we performed a literature ...

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