

adiabatic transition-state theory

A form of transition-state theory in which the system is assumed to preserve its internal quantum states as it moves over the potential-energy surface. A detailed state-to-state scattering theory version of adiabatic transition-state theory has been referred to as the adiabatic channel model.

Source:

PAC, 1996, 68, 149 (*A glossary of terms used in chemical kinetics, including reaction dynamics (IUPAC Recommendations 1996)*) on page 152