

rate constants on a single catalyst pellet to measureable properties of pulse-response experiments were derived by means of statistical moment theory.

Under atmospheric pressure and at a temperature up to 340°C the effective diffusivities and the adsorption equilibrium constants of carbon monoxide and the rate constants for shift reaction $\text{CO} + \text{H}_2\text{O} = \text{CO}_2 + \text{H}_2$ on a B110 catalyst pellet were measured by using ordinary thermal conductivity cell (TCC). It has been proved to be a new and valuable technique for determining the kinetic parameters of gas-solid heterogeneous catalytic reaction.

敬 告 作 者

一、根据《中华人民共和国著作权法》第四章第一节第三十二条规定，本刊约定：凡向我刊投稿的，自稿件发出之日起超过六个月未收到我刊办理稿件修改通知的，撰稿人可将该稿投寄他刊，但六个月内不得一稿两投。

二、凡向本刊投稿者，均作自动接受上述约定处理。

三、投寄本刊稿件如经审核未被接受，即当奉还。

《化工学报》中文版编辑部