

EFFECT OF ADSORBED IMPURITIES  
ON CATALYTIC OXIDATION OF CO:  
A LATTICE-GAS MODEL

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S u m m a r y

The catalytic synthesis of carbon dioxide from oxygen and carbon monoxide has been studied in the framework of the lattice model, making allowance for inactive impurities on the surface and correlations between coadsorbates. The system of equations which describes the reaction dynamics on the surface has been obtained, and its solution has been found in the mean-field approximation. The results obtained are compared with the corresponding literature data.