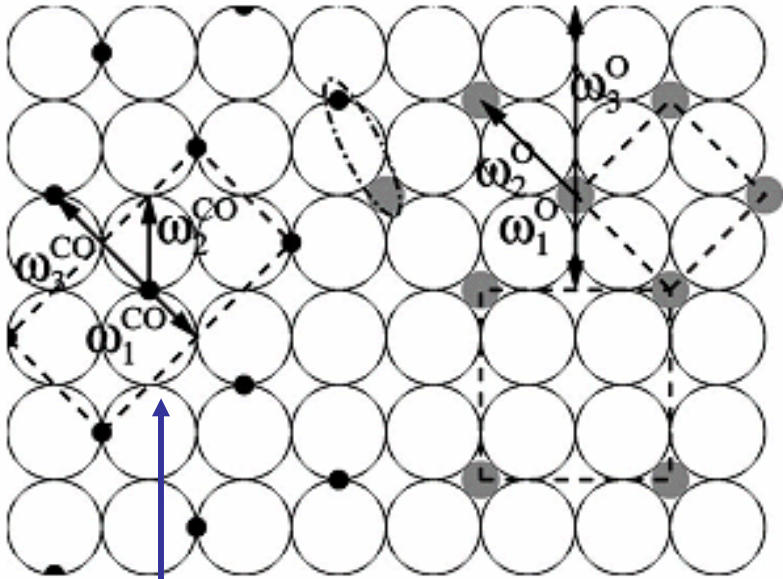


ХИМИЧЕСКИЕ РЕАКЦИИ НА ПОВЕРХНОСТИ

CO + O / Pd(100)

p(2x2)

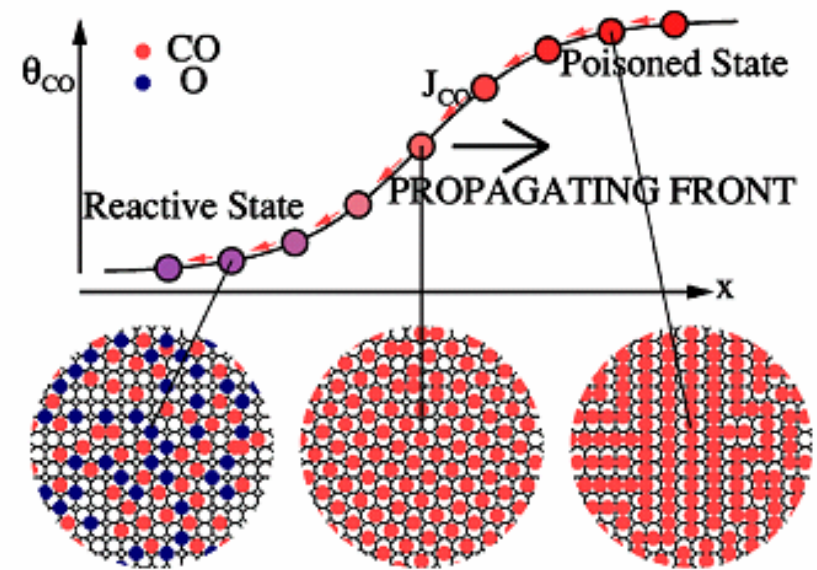
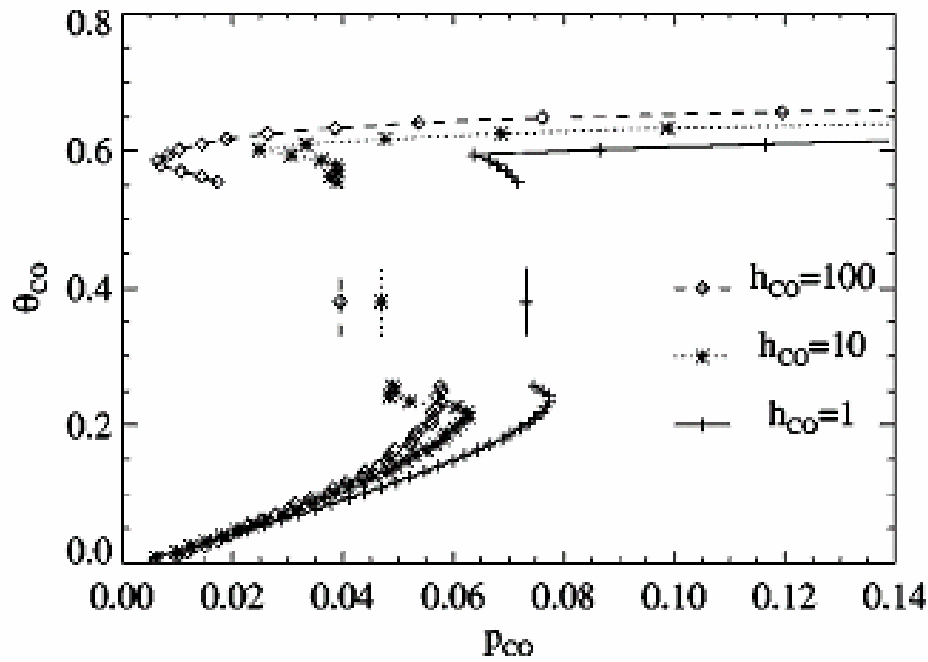


$$\begin{aligned} \omega_1^{\text{CO}} &= \infty & (r=a/\sqrt{2}) \\ \omega_2^{\text{CO}} &= 0.17 \text{ eV} & (r=a) \\ \omega_3^{\text{CO}} &= 0.02 \text{ eV} & (r=a\sqrt{2}) \end{aligned}$$

$$\begin{aligned} \omega_1^{\text{O}} &= \infty & (r=a) \\ \omega_2^{\text{O}} &= 0.13 \text{ eV} & (r=a\sqrt{2}) \\ \omega_3^{\text{O}} &= -0.03 \text{ eV} & (r=2a) \end{aligned}$$

c(2√2 x √2) R45°

CO + O / Pd(100)



CO + O / Pd(110)



CO + O / Pd(110)

