Figure 1.6 (a) Dependence of the initial rate $W_0$ of oxygenate accumulation in the cyclohexane oxidation with $\text{H}_2\text{O}_2$ catalyzed by ferrocene 1.1 in MeCN on the initial concentration of ferrocene (curve 1). Conditions: $[\text{PCA}]_0 = 3 \times 10^{-3}$ M, $[\text{H}_2\text{O}_2]_0 = 0.32$ M, $[\text{cyclohexane}]_0 = 0.37$ M, 50 °C. Curve 2: linearization of curve 1 in coordinates $[\text{FeCp}_2]_0 - W_0^{1/2}$. (b) Dependence of the initial rate $W_0$ of oxygenate accumulation in the cyclohexane oxidation with $\text{H}_2\text{O}_2$ catalyzed by 1.1 in MeCN on the initial concentration of PCA (in the intervals $0 - 10 \times 10^{-3}$ M and $0 - 2 \times 10^{-3}$ M). Conditions: $[\text{FeCp}_2]_0 = 5.0 \times 10^{-4}$ M, $[\text{H}_2\text{O}_2]_0 = 0.32$ M, $[\text{cyclohexane}]_0 = 0.37$ M, 50 °C. Dotted curves present the simulated dependences.