

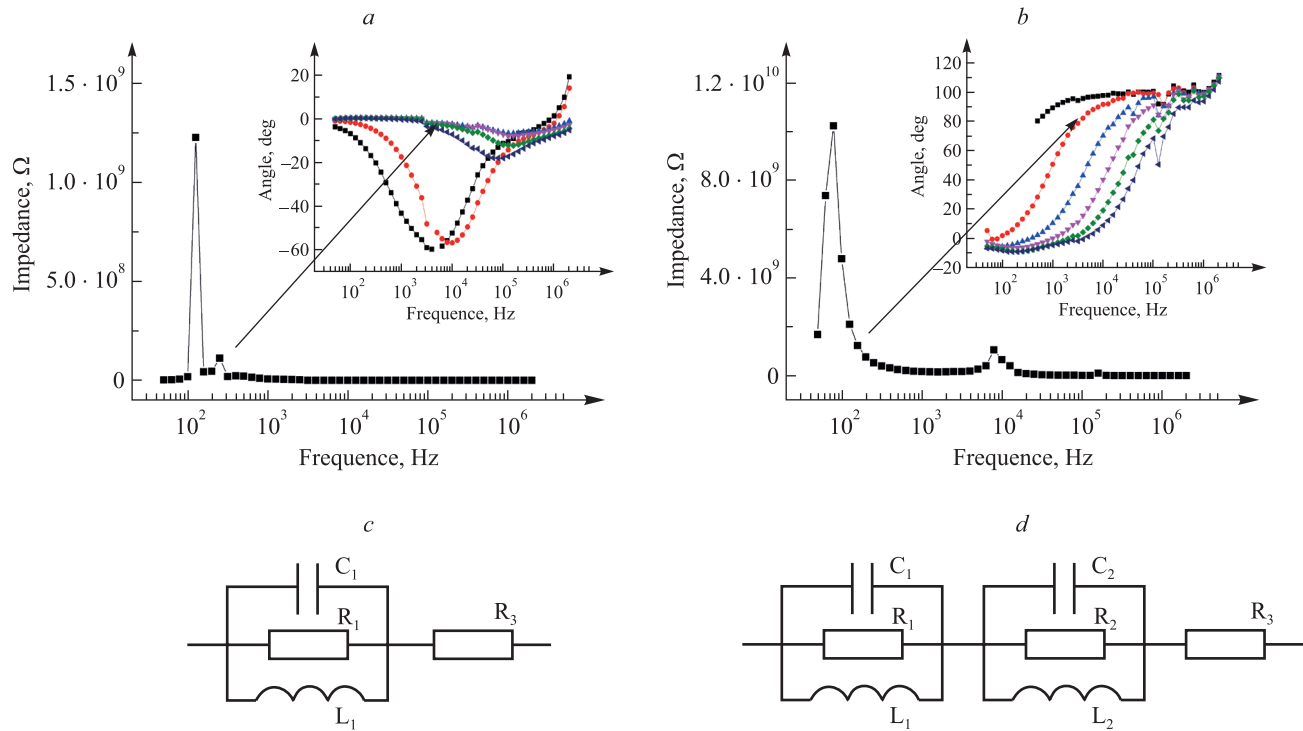


Fig. 1. Amplitude-frequency dependences of the impedance of $(\text{FeCoZr})_x(\text{Al}_2\text{O}_3)_{1-x}$ nanogranular composite films, deposited in an Ar – O₂ mixture, and the corresponding ESC after (a) and before (b) the touching threshold:
 a – $Z(f)$ dependence with one maximum for the $(\text{Fe}_{0.45}\text{Co}_{0.45}\text{Zr}_{0.10})_{0.50}(\text{Al}_2\text{O}_3)_{0.50}$ film (at $T = 223$ K);
 b – $Z(f)$ dependence with two maxima for the $(\text{Fe}_{0.45}\text{Co}_{0.45}\text{Zr}_{0.10})_{0.31}(\text{Al}_2\text{O}_3)_{0.69}$ film (at $T = 123$ K);
 c – ESC with one resonant RCL-circuit, corresponding to the $Z(f)$ dependence of type (a);
 d – ESC with two resonant RCL-circuits, corresponding to the $Z(f)$ dependence of type (b).
 The inset shows the frequency dependences of the phase shift angle $\theta(f)$ in the 80–303 K temperature range