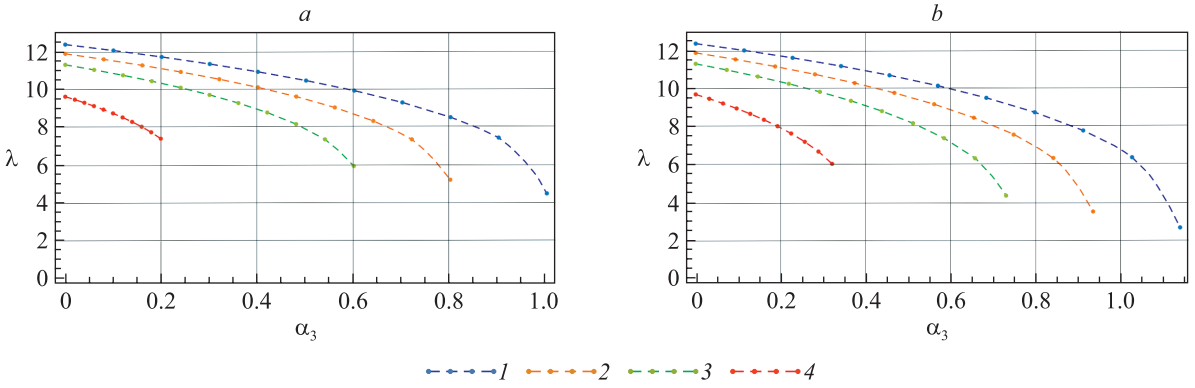

Fig. 5. The first positive eigenvalue λ versus the vdW parameter α_3 for different values of the voltage parameter β calculated in the framework of the LDL (*a*) and QDL (*b*) models: β = 0 (*1*), β = 0.15 (*2*), β = 0.3 (*3*), β = 1.0 (*4*)