

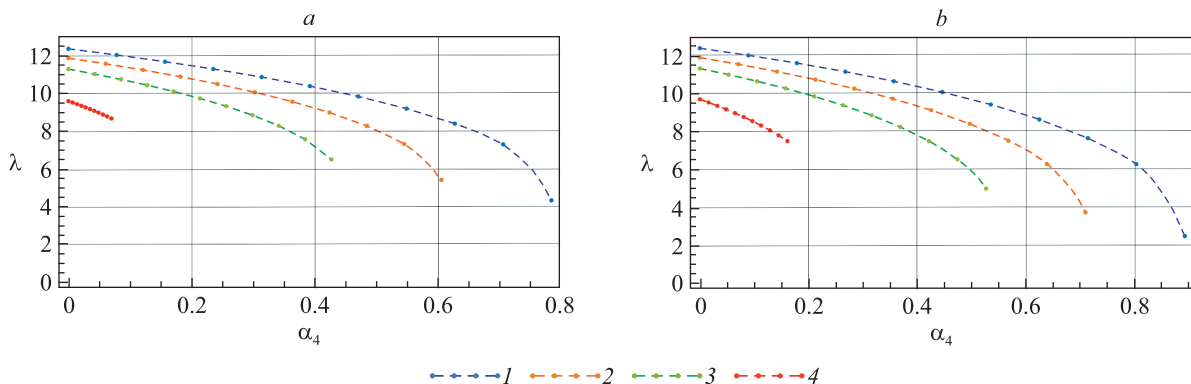


Fig. 6. The first positive eigenvalue λ of the micro-cantilever versus the Casimir parameter α_4 for different values of the voltage parameter β calculated in the framework of the LDL (a) and QDL (b) models:
 $\beta = 0$ (1), $\beta = 0.15$ (2), $\beta = 0.3$ (3), $\beta = 1.0$ (4)