

# **ESTIMATION OF THE INACCURACY OF CALCULATED FISSION-BARRIER HEIGHTS OF HEAVY NUCLEI**

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Inaccuracy of various quantities involved in the calculation of the fission-barrier heights is estimated. These are such quantities as various kinds of deformation of a nucleus, both in its ground-state and saddle-point configurations, and strength of the pairing interaction. Effect of these inaccuracies on the inaccuracy of mass of a nucleus in both these configurations, and consequently on the barrier height, is calculated within a macroscopic-microscopic model.

The inaccuracy of the calculated height is compared with that determined for the experimental value.