

## **PECULIARITIES OF THE DECAY OF ROTATIONAL BANDS IN SUPERDEFORMED NUCLEI**

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The equation for the nuclear deformational motion in asymmetric potential with two minima is quasi-classically solved. Taking into account the tunneling, we obtained formulas for the energies and wave functions similar to those which were previously derived for the two-band mixing. We have created a theory for the decay out of superdeformed rotational levels based on the exact equations for Green's functions, where both the residual and electromagnetic interactions are treated on equal footing.