

SYSTEMATIC SURVEY OF $\Delta I = 4$ BIFURCATION IN $A \sim 150$ SUPERDEFORMED NUCLEI¹

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Results are presented of a systematic survey of $\Delta I = 4$ bifurcation in 19
superdeformed bands in $A \sim 150$ Eu and Gd nuclei. The majority of bands show
no sign of this regular oscillation in energy levels. The statistical significance of
the few examples that exhibit the effect is examined.

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