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## Sequential mechanism of triple collinear nuclear fission

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Triple collinear fission of a weakly excited compound fissile nucleus is analyzed on the basis of a sequential two-stage mechanism associated at the first stage with double fission of this nucleus with the formation of two fission fragments, and at the second stage with double fission of one of these fragments. In this case, the presentation of coldness of fission fragments at the first and second stages is used, when their spins and orbital moments are formed by taking into account the bending and wriggling vibrations of the corresponding fragments. In this connection in the paper for the first time the above vibrations are taken into account twice.

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