

VORTEX-ANTIVORTEX PAIR DYNAMICS  
IN THE PRESENCE OF AN IMMOBILE  
VORTEX IN TWO-DIMENSIONAL  
FERROMAGNET

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S u m m a r y

The dynamics of a vortex-antivortex pair in the presence of an immobile vortex in a two-dimensional ferromagnet is theoretically studied. The calculations are performed within the model of collective variables. Criteria for the initial conditions allowing one to separate the finite and infinite motions of the pair are obtained. General characteristics of each of the types of motion are described.