

# Excitation of bulk spin waves by acoustic wave at the plane defect of a ferromagnet

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Excitation of bulk spin waves by interface acoustic wave in the system of two ferromagnets was analytically and numerically investigated. We showed that besides magnetic oscillations forced by acoustic wave strain the resonance between Kosevich wave and bulk spin wave occurs. For the frequency of the Kosevich wave far below the resonance frequency the amplitude of dynamic magnetization is negligible. For the frequency above the resonance the acoustic wave excites bulk spin wave of the same frequency but different absolute value of the wave vector.

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