

The Interaction of Surface Magnetostatic Waves with Drifting Carriers in Semiconductors

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Characteristics of surface magnetostatic waves (SMW) propagating in the direction perpendicular to an external dc magnetic field and interacting with drifting carriers in semiconductors were studied. Loss of the waves was observed to be decreased due to the interaction with drifting carriers even if the drift velocity of carriers did not exceed the phase velocity of the waves.

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