



# Nonequilibrium Magnons: Theory, Experiment and Applications

*Vladimir L. Safonov*

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# Nonequilibrium Magnons: Theory, Experiment and Applications

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**Nonequilibrium Magnons: Theory, Experiment and Applications** Vladimir L. Safonov

This much-needed book addresses the concepts, models, experiments and applications of magnons and spin wave in magnetic devices. It fills the gap in the current literature by providing the theoretical and technological framework needed to develop innovative magnetic devices, such as recording devices and sensors. Starting with a historical review of developments in the magnon concept, and including original experimental results, the author presents methods of magnon excitation, and several basic models to describe magnon gas. He includes experiments on Bose-Einstein condensation of non-equilibrium magnons, as well as various applications of a magnon approach.



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