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Oscillations; 3.6.1 Example 1: Nuclear Magnons; 3.6.2 Example 2: Magnetoelastic Oscillations; 3.7 Discussion; 4 Microwave Pumping of Magnons; 4.1 Linear Theory; 4.1.1 Ferromagnetic Resonance; 4.1.2 Threshold of Parametric Resonance; 4.2 Parametric Resonance in a Resonator Cavity; 4.3 Nonlinear SR Theory; 4.4 Experimental Techniques; 4.5 Experimental Results; 4.5.1 Equivalent Circuit; 4.5.2 SR Theory and Experiment; 4.5.2.1 Modulation Response; 4.6 Discussion; 5 Thermodynamic Description of Strongly Excited Magnon System
6.2 Quasi Equilibrium Magnons
6.2.1 Ideal Gas of Quasi Equilibrium Magnons; 6.2.2 Example: Isotropic Spectrum; 6.2.3 Kinetic Equations; 6.2.3.1 The Case of $T_{\text{eff}} = T$; 6.2.4 Magnon System with Bose Condensate; 6.2.5 Magnetodipole Emission of Condensate; 6.3 Frohlich Coherence; 6.4 Discussion; 7 Magnons in an Ultrathin Film; 7.1 Model; 7.1.1 Magnetic Energy; 7.2 Magnons; 7.2.1 Magnon Interactions; 7.2.2 Effective Four-Magnon Interactions; 7.3 Example; 7.4 Discussion; 8 Collective Magnetic Dynamics in Nanoparticles; 8.1 Long-Lived States in a Cluster of Coupled Nuclear Spins; 8.2 Electronic Spins
8.3 Spin-Echo Logic Operations

Sommario/riassunto

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

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Titolo	The possible present / / Ugo Perone ; translated by Silvia Benso with Brian Schroeder
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ISBN	9781438437477 1438437471 9781441699039 1441699031
Descrizione fisica	1 online resource (152 p.)
Collana	SUNY series in contemporary Italian philosophy
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Soggetti	Philosophy Time
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Nota di contenuto	""The Possible Present""; ""Contents""; ""Introduction""; ""Preface""; ""1. Dramaturgy of Thought""; ""2. The Present as Threshold""; ""3. Ethics of the Present""; ""4. Tale without Author""; ""5. The Tale of the I""; ""6. The Tale of Finitude""; ""7. The Great Tale of Time""; ""8. Hermeneutics of the Positive""; ""Notes""; ""Bibliography""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""J""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""
Sommario/riassunto	The Possible Present unfolds from within a freely reinterpreted hermeneutic perspective and provides an original theoretical proposal on the topic of time. In dialogue especially with the philosophies of Husserl and Heidegger, but resorting also to suggestions coming from a theological background (Barth and Bonhoeffer), the work proposes a personal and original theory of time centered on a conception of the present that does not reduce temporality to a succession of mere instants. When one claims that time is ungraspable, one refers neither to the past (which is rather irretrievable) nor to the future (which is rather uncertain) but to the present. The present in which we are is in fact what fades from our hands without break. The present is a decisive threshold for finite existence. It is the threshold where past and future

meet and can give birth to a livable horizon of meaning. Dilating the present and giving it a meaningful chance to be is a task for philosophy. It is the attempt of giving time to time and also giving it shape, place, and space. To succeed at this task while rediscovering the sources of a narrative way of thinking that in truth it has never abandoned, philosophy must go back and turn time into the primary object of discourse, like in stories, which are precisely the attempt at disposing the temporal flow of events according to a meaning. Perone argues that in time, however, what passes is not simply decline, but rather something irreducible, an exteriority that must be said.
