

Magnetic phenomena in equiatomic ternary rare earth compounds

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Abbreviations

ACS	AC susceptibility
AFM	antiferromagnetic
CEF	crystalline electric field
FCC	field cooled cooling
FCW	field cooled warming
FM	ferromagnetic
FP-LAPW	full-potential linearized augmented plane wave
LTF	low temperature form
HTF	high temperature form
PPM	Pauli paramagnetic
PM	paramagnetic
RE	rare earth
RKKY	Ruderman–Kittel–Kasuya–Yosida
RSG	re-entrant spin-glass
SC	superconducting
SG	spin glass
SOC	spin orbit coupling
TMI	thermomagnetic irreversibility
ZFCW	zero field cooled warming

Magnetic Resonance And Relaxation In Dielectric Crystals Of Rare Earth Compounds

Michael Hoelscher



Magnetic Resonance And Relaxation In Dielectric Crystals Of Rare Earth Compounds:

Magnetic Resonance and Relaxation in Dielectric Crystals of Rare Earth Compounds L. K. Aminov, M. A. Teplov, 1990 *Electron Liquid in Disordered Conductors* A. M. Finkel'stein, Finkel'stein, 1991 This volume proceeds from a description of a disordered electron liquid via effective functional or diffusion modes to a theory of interacting electrons in disordered conductors that is of the Fermi liquid type but with renormalizable parameters The influence of disorder on the temperature of the superconducting transition in homogeneous amorphous films is analyzed theoretically Critical properties in the vicinity of metal insulator transitions are discussed and spin instability is considered the latter shows the great importance of spin fluctuation in the region of the transition *Physics Reviews* A. M. Dyugaev, 1991 *Scientific and Technical Aerospace Reports*, 1979 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database **Technical Abstract Bulletin**, 1964 *U.S. Government Research Reports*, 1964 **Ferroelectrics Literature Index** T. F. Connolly, 2012-12-06 Research on ferroelectricity and ferroelectric materials started in 1920 with the discovery by Valasek that the variation of spontaneous polarization in Rochelle salt with sign and magnitude of an applied electric field traced a complete and reproducible hysteresis loop Activity in the field was sporadic until 1935 when Busch and co workers announced the observation of similar behavior in potassium dihydrogen phosphate and related compounds Progress thereafter continued at a modest level with the undertaking of some theoretical as well as further experimental studies In 1944 von Hippel and co workers discovered ferroelectricity in barium titanate The technological importance of ceramic barium titanate and other perovskites led to an upsurge of interest with many new ferroelectrics being identified in the following decade By 1967 about 2000 papers on various aspects of ferroelectricity had been published The bulk of this widely dispersed literature was concerned with the experimental measurement of dielectric crystallographic thermal electromechanical elastic optical and magnetic properties A critical and excellently organized compilation based on these data appeared in 1969 with the publication of Landolt Bornstein Volume 111 3 This superb tabulation gave instant access to the results in the literature on nearly 450 pure substances and solid solutions of ferroelectric and antiferroelectric materials Continuing interest in ferroelectrics spurred by the growing importance of electrooptic crystals resulted in the publication of almost as many additional papers by the end of 1969 as had been surveyed in Landolt Bornstein *Physics Briefs*, 1992 **Nuclear Science Abstracts**, 1976 **Ferroelectric Materials and Ferroelectricity** T. F. Connolly, 2013-11-11 This volume is a joint effort of the Research Materials Information Center RMIC of the Solid State Division at Oak Ridge National Laboratory and the Libraries and Information Systems Center at Bell Telephone Laboratories BTL Murray Hill N J The Research Materials Information Center has since 1963 been answering inquiries on the availability preparation and properties of inorganic solid state research materials The preparation of bibliographies has been essential to this function

and the interest in ferroelectrics led to the compilation of the journal and report literature on that subject The 1962 book *Ferroelectric Crystals* by Jona and Shirane was taken as a cutoff point and all papers through mid 1969 received by the Center have been included The Libraries and Information Systems Center of BTL has over a period of years developed a proprietary package of computer programs called BELDEX which formats and generates indexes to bibliographic material This group therefore undertook to process RMIC s ferroelectric references by BELDEX so that both laboratories could have the benefit of an indexed basic bibliography in this important research area *Energy Research Abstracts* ,1982

European Miniature Electronic Components and Assemblies Data 1965-66: Including Six-Language Glossaries of Electronic Component and Microelectronics Terms G. W. A. Dummer,J. Mackenzie Robertson,2016-07-21 European Miniature Electronic Components and Assemblies Data 1965 66 Including Six Language Glossaries of Electronic Component and Microelectronics Terms Part II contains relevant glossaries tables and charts on the products of France the Netherlands Scandinavia and Switzerland These include a pictorial glossary of European electronic components a glossary of terms in current use in microelectronics useful abstracts of world publications on electronic components multiple and submultiple prefixes conversion table for standard prefixes defined values and physical constants and a temperature conversion table Also provided are a table on fixed resistor color codes a chart on the power loading of fixed resistors tables on resistance for wires of various resistance alloys wire gauges and resistivities of resistance materials fixed capacitor selection charts data on time delay relays and a torque conversion chart **Bibliography of Scientific and Industrial Reports** ,1970

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