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Autore	Ovchinnikov V. V
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; Preface to the Russian Edition; Contents; CONTENTS; 1. BRIEF DESCRIPTION OF THE NATURE OF THE MOSSBAUER EFFECT MAIN PARAMETERS OF RESONANCE ABSORPTION SPECTRA; 1.1. INTRODUCTION; 1.2. THE NATURE AND PROBABILITY OF THE MOSSBAUER EFFECT; 1.3. EFFECTS OF DISPLACEMENT AND SPLITTING OF THE LINES. PARAMETERS OF MOSSBAUER SPECTRA; 1.4. THE WIDTH OF THE RESONANCE LINE; 1.5. THE STRUCTURE OF RESONANCE ABSORPTION CURVES OF NON-IDEAL CRYSTALS; 2.1. PRELIMINARY COMMENTS; 2.2. NON-EQUIVALENT POSITIONS OF RESONANT NUCLEI; 2.3. THE SUPERPOSITION PRINCIPLE 2.4. GENERALISED FORM OF THE RESONANCE ABSORPTION CURVE3. ELECTRICAL AND MAGNETIC HYPERFINE INTERACTIONS OF RESONANT NUCLEI IN METALS AND ALLOYS; 3.1. GENERAL CONSIDERATIONS; 3.2. EXPERIMENTAL DATA ON THE PERTURBATION OF THE CHARGE AND SPIN DENSITY IN CRYSTALS OF TRANSITION METALS IN DISSOLUTION OF IMPURITIES; 3.3. FERROMAGNETIC IMPURITY CRYSTALS BASED ON TRANSITION METALS; 3.4. HYPERFINE STRUCTURE OF MOSSBAUER SPECTRA OF DILUTED IRON-BASED SOLID SOLUTIONS; 3.5. ANTIFERROMAGNETICS AND NON-COLLINEAR MAGNETICS

4. STRUCTURE OF MOSSBAUER SPECTRA OF ALLOYS WITH LONG-RANGE AND SHORT-RANGE ATOMIC ORDER

4.1. ON SPECIFICS OF INFORMATION OBTAINED IN CONNECTION WITH THE LOCAL-NUCLEAR NATURE OF THE METHOD; 4.2. ON DETERMINATION OF THE ORDER PARAMETERS; 4.3. VARIATION OF INTEGRAL INTENSITIES OF SPECTRA COMPONENTS IN THE FORMATION OF SHORT-RANGE AND LONG-RANGE ATOMIC ORDER IN SUBSTITUTIONAL SOLID SOLUTIONS; 4.4. ACCOUNTING FOR THE EFFECT OF REMOTE COORDINATION SPHERES IN THE PRESENCE OF ATOMIC ORDER

4.5. RELATIONSHIP OF THE MEAN VALUE OF THE EFFECTIVE MAGNETIC FIELD WITH THE PARAMETERS OF THE LONG-RANGE AND SHORT-RANGE ATOMIC ORDER

4.6. ON EXPERIMENTAL DETERMINATION OF THE VALUE OF THE MEAN FIELD; 4.7 ANALYTICAL DESCRIPTION OF THE FORM OF MOSSBAUER SPECTRA OF ORDERED ALLOYS; 4.8 STRUCTURE OF MOSSBAUER SPECTRA OF MULTILAYER SUPERLATTICES OF TYPE $\{Am/Bn\}_k$; 4.9 ON THE POSSIBILITIES OF EXAMINING THE CHARACTER OF DISTRIBUTION OF INTERSTITIAL IMPURITIES; 5. MOSSBAUER STUDIES OF THE ATOMIC AND MAGNETIC STRUCTURE OF ALLOYS; 5.1. INVESTIGATION OF THE LONG-RANGE ATOMIC ORDER IN SUBSTITUTION ALLOYS

5.2. EXAMPLES OF INVESTIGATION OF THE SHORT-RANGE ORDER. INTERATOMIC CORRELATIONS, LOCAL ATOMIC STRUCTURE, NON-IDEAL SOLID SOLUTIONS

5.3. EXAMINATION OF THE MAGNETIC STRUCTURE OF ALLOYS; 6. MOSSBAUER SPECTROSCOPY OF ION-DOPED METALS AND ALLOYS; 6.1. MOSSBAUER EFFECT AS THE METHOD OF INVESTIGATION OF ION-DOPED MATERIALS; 6.2. EFFECT OF RADIATION DEFECTS ON THE PARAMETERS OF THE RIGIDITY OF INTERATOMIC BONDS; 6.3. LOCALISATION AND MOBILITY OF IMPLANTED ATOMS. THE STRUCTURE AND STABILITY OF FORMED RADIATION DEFECTS; 6.4. VARIATION OF THE COMPOSITION OF THE SURFACE LAYER OF MULTI-COMPONENT TARGETS

6.5. FORMATION AND DISSOLUTION OF PHASES, AMORPHISATION

Sommario/riassunto

The monograph indicates the key problems that have to be solved for the further development of the Mossbauer methods for analysis of the nuclear and magnetic structure of alloys, and offer solution variants for some of these problems based on the generalised results of a wide range of theoretical and experimental investigations, including original work by the author of the book and his colleagues.

2. Record Nr.	UNINA9910953777203321
Autore	Plisetskaia Maiia Mikhailovna <1926->
Titolo	I, Maya Plisetskaya / / Maya Plisetskaya ; translated by Antonina W. Bouis ; foreword by Tim Scholl
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Nota di contenuto	The dacha and Sretenka Street -- What I was like at five -- Relatives -- Spitzbergen -- I study ballet -- Back in school and father's arrest -- My mother disappears -- Chimkent -- Concert for the Cheka -- Tchaikovsky's Impromptu -- The war -- My first year at the Bolshoi Theater -- The apartment on Shchepkinsky Passage -- Mastering the ABCs of the theater -- Raymonda -- Swan Lake -- Youth festivals -- My injuries, my healers -- Who'll get whom! -- Stalin's birthday -- I dance in Don Quixote -- I dance in Golovanov's opera -- Life on the road and the end of the Stalinist era -- My trip to India -- Persecution -- How I didn't go to London -- While the company was in London -- How I dressed -- What a person needs -- Shchedrin -- Life on Kutuzovsky Prospect -- I go to America -- Seventy-three days -- How we were paid -- Paris meetings -- Work with Yakobson -- Why I did not stay in the West -- Marc Chagall draws me -- November 20 -- How Carmen Suite was born -- Work with Roland Petit and Maurice Bjart -- A lyrical digression -- My ballets -- My ballets (continued) -- I want justice -- Work in Italy -- Work in Spain -- Untitled -- Years of wandering -- Curfew.

Maya Plisetskaya, one of the world's foremost dancers, rose to become a prima ballerina of Moscow's Bolshoi Ballet after an early life filled with tragedy and loss. In this spirited memoir, Plisetskaya reflects on her personal and professional odyssey, presenting a unique view of the life of a Soviet artist during the troubled period from the late 1930's to the 1990's. Plisetskaya recounts the execution of her father in the Great Terror and her mother's exile to the Gulag. She describes her admission to the Bolshoi in 1943, the roles she performed there, and the endless petty harassments she endured, from both envious colleagues and Party officials. Refused permission for six years to tour with the company, Plisetskaya eventually performed all over the world, working with such noted choreographers as Roland Petit and Maurice Béjart. She recounts the tumultuous events she lived through and the fascinating people she met-among them the legendary ballet teacher Agrippina Vaganova, George Balanchine, Frank Sinatra, Rudolf Nureyev, and Dmitri Shostakovich. And she provides fascinating details about testy cocktail-party encounters with Khrushchev, tours abroad when her meager per diem allowance brought her close to starvation, and KGB plots to capitalize on her friendship with Robert Kennedy. Gifted, courageous, and brutally honest, Plisetskaya brilliantly illuminates the world of Soviet ballet during an era that encompasses both repression and cultural détente. Still prima ballerina assoluta with the Bolshoi Ballet, Maya Plisetskaya also travels around the world performing and lecturing. At the Bolshoi's gala celebrating her 75th birthday, President Vladimir Putin presented her with Russia's highest civilian honor, the medal for service to the Russian state, second degree. Tim Scholl is professor of Russian language and literature at Oberlin College. Antonina W. Bouis is the prize-winning translator of more than fifty books, including fiction, nonfiction, and memoirs by such figures as Andrei Sakharov, Elena Bonner, and Dmitri Shostakovich.
