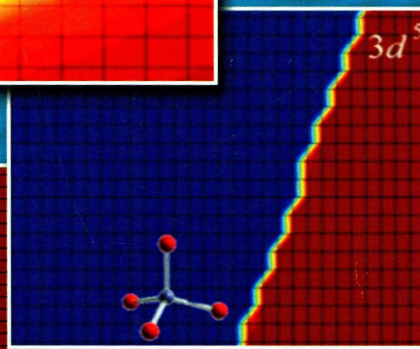
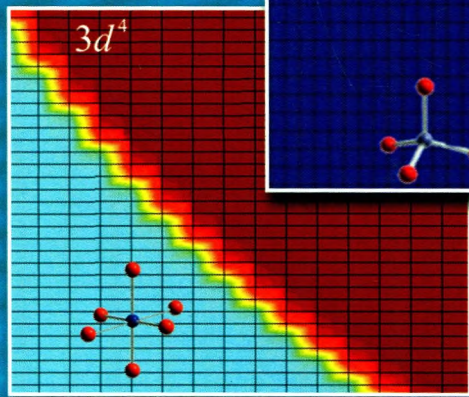
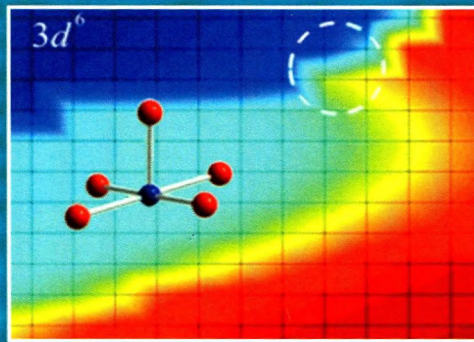


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K.V. LAMONOVA
S.M. OREL
Yu.G. PASHKEVICH

MODIFIED CRYSTAL FIELD THEORY AND ITS APPLICATIONS



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С. М. ОРЕЛ
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Reviewers:

Yu. V. MALYUKIN, corresponding member of National Academy of Sciences of Ukraine,
Dr. Sci., Prof., Head of Department of the Institute for Scintillation Materials
of the National Academy of Sciences of Ukraine

G. G. LEVCHENKO, corresponding member of National Academy of Sciences of Ukraine,
Dr. Sci., Prof., Head of Department of the O. O. Galkin Donetsk Institute for Physics
and Engineering of the National Academy of Sciences of Ukraine

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A new original approach to the study of coordination complexes with paramagnetic ions, the modified crystal field theory (MCFT), is represented in the monograph. The approach is based on a new parametrization of the problem by the effective nuclear charge of a paramagnetic ion. Implicit accounting for ligand electrons significantly enhances the predictive capability of the proposed method. The book gives some examples of the MCFT applications for the interpretation of various experiments. To describe the spin state variations of paramagnetic ions under different coordination complex distortions the spin state diagrams are suggested for the first time.

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