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"Pressestimmen `The fields of electron microscopy and electron diffraction have been around for a long time and, until recently, it has proved difficult to use these techniques to determine the structures of crystals in the way that traditional x-ray crystallographers have been doing. However, the new subject of Electron Crystallography has been rapidly developing and this book shows beautifully how modern electron microscopes can now be used to solve crystal structures. The authors have produced a unique and thorough work that will enable students and researchers alike to learn how this is done. Electron Crystallography is the only book that I am aware of that describes modern electron diffraction/microscopy at a genuinely readable level. It should find a place on the shelves of students and researchers alike.' Michael Glazer, Department of Physics, University of Oxford Über den Autor und weitere Mitwirkende Xiaodong Zou is the chair of Inorganic and Structural Chemistry Unit, Department of Materials and Environmental Chemistry, and director of the Berzelii Centre EXSELENT on Porous Materials, Stockholm University. She is a member of the IUCr Commission on Electron Crystallography (2002-2011) and the Structure Commission of International Zeolite Association (2010-). She received several awards, including the K.H. Kuo Award for Distinguished Scientist (2010) and , Goran Gustafsson Prize in Chemistry (2008) and Tage Erlander Prize (2002), both given by the Royal Swedish Academy of Sciences. Her main research interests include method development for 3D structure determination of nano-sized materials by X-ray diffraction and electron crystallography, especially on zeolites and related porous materials and complex intermetallic compounds, and synthesis and applications of inorganic open-framework materials and metal-organic frameworks.Sven Hovmoller was visiting scientist in Madrid and Nantes and was Secretary of the IUCr commission on Electron Crystallography 1999-2002. He introduced image processing of EM images by Fourier transform analysis from molecular biology into inorganic chemistry in 1984 and started, together with Xiaodong Zou, the series of annual International schools in Electron Crystallography, in 1994. Hovmoller develops new methods and computer programs for electron crystallography and is also interested in quasicrystals and their approximants and protein structure and its prediction.Peter Oleynikov has been a

researcher at Stockholm University since 2008. He writes programs for computer control of electron microscopes and for analysis of the diffraction data obtain, as well as programs simulating EM images and electron diffraction patterns."

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