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X-Ray Microscopy and Spectromicroscopy

Status Report from the Fifth International Conference, Würzburg, August 19–23, 1996

- This book is a status report on the newly developed technique of X-ray microscopy

This book is based on presentations to the International Conference of X-Ray Microscopy and Spectromicroscopy, XRM 96, which took place in Würzburg, August 19–23, 1996. The conference also celebrated the 100th anniversary of the discovery of X-rays by Wilhelm Conrad Röntgen on November 8, 1895, in Würzburg. This book contains state-of-the-art reviews and up-to-date progress reports in the field of X-ray microscopy and spectromicroscopy, including related new X-ray optics and X-ray sources. It reflects the lively activities within a relatively new field of science which combines the development of new instruments and methods with their applications to numerous topical scientific questions. The applications range from biological and medical topics, colloid physics, and soil sciences to solid-state physics, material sciences, and surface sciences. Their variety demonstrates the interdisciplinary and cooperative character of this field and the growing demand for microscopic and spectromicroscopic information on the nanometer scale and under specific sample conditions, for example in wet (natural) surroundings or on a solid surface.

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