Reimer

Scanning Electron Microscopy

Physics of Image Formation and Microanalysis

Scanning Electron Microscopy provides a description of the physics of electron-probe formation and of electron-specimen interactions. The different imaging and analytical modes using secondary and backscattered electrons, electron-beam-induced currents, X-ray and Auger electrons, electron channelling effects, and cathodoluminescence are discussed to evaluate specific contrasts and to obtain quantitative information.

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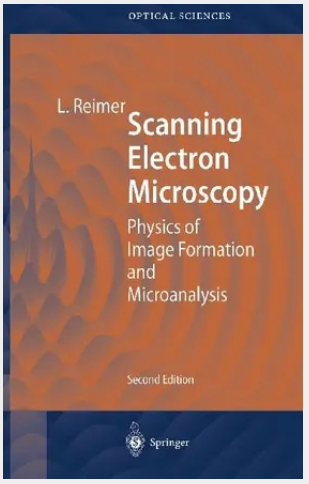

374,49 €
349,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540639763
Medium: Buch
ISBN: 978-3-540-63976-3
Verlag: Springer
Erscheinungstermin: 17.09.1998
Sprache(n): Englisch
Auflage: 2. Auflage 1998
Serie: Springer Series in Optical Sciences
Produktform: Gebunden
Gewicht: 2060 g
Seiten: 529
Format (B x H): 160 x 241 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)