<<光电子光谱学>>

图书基本信息

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前言

Since the completion of the manuscript for the first edition of PhotoelectronSpectroscopy， the field has undergone a steady growth. Firstly， the theory has been refined and condensed into a manageableform. Secondly two important experimental developments have occurred. Theresolution that can be obtained is now of the order of 3 meV， which corre-sponds approximately to an energy of 30 kBK. This means that photoelectronspectroscopy can now obtain data with an accuracy similar to that achievedin standard thermodynamic experiments （such as specific heat experiments），thus facilitating a direct comparison of data from the two different types ofexperiment. The second important experimental advance is that one can nowreadily measure electron energy distributions over a solid angle of almost This yields valuable information whenever these electron energy distributionshave anisotropies. It was decided， in view of these developments， to rework and expandthe volume so as to do justice to the full potential of todays photoelectronspectroscopy. I have benefitted very much from the help of my group namelyR. de Masi， D. Ehm， B. Eltner， F. Miiller， G. Nicolay， F. Reinert， D. Reinickeand in particular S. Schmidt. Without the dedicated effort of these collabo-rators the present edition could not have been produced. I am grateful to S.Neumann who typed the complete text with great skill. Thanks are due tothe Springer Verlag for their expert help and patience.

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内容概要

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