



CONCISE ENCYCLOPEDIA OF
MATERIALS
CHARACTERIZATION

EDITORS
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ERIC LIFSHIN



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Concise Encyclopedia Of Materials Characterization

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search Google for the thousands of links Encyclopedia of Materials K. H. J. Buschow, 2001 Accompanying CD ROM contains The Encyclopedia of Materials Science and Technology on a web access disc **Physical Metallurgy** R.W. Cahn, P. Haasen, 1996-02-09 This is the fourth edition of a work which first appeared in 1965 The first edition had approximately one thousand pages in a single volume This latest volume has almost three thousand pages in 3 volumes which is a fair measure of the pace at which the discipline of physical metallurgy has grown in the intervening 30 years Almost all the topics previously treated are still in evidence in this version which is approximately 50% bigger than the previous edition All the chapters have been either totally rewritten by new authors or thoroughly revised and expanded either by the third edition authors alone or jointly with new co authors Three chapters on new topics have been added dealing with dry corrosion oxidation and protection of metal surfaces the dislocation theory of the mechanical behavior of intermetallic compounds and most novel a chapter on polymer science for metallurgists which analyses the conceptual mismatch between metallurgists and polymer scientists way of looking at materials Special care has been taken throughout all chapters to incorporate the latest experimental research results and theoretical insights Several thousand citations to the research and review literature are included in this edition There is a very detailed subject index as well as a comprehensive author index The original version of this book has long been regarded as the standard text in physical metallurgy and this thoroughly rewritten and updated version will retain this status Selective Guide to Literature on Materials Engineering , 1994

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