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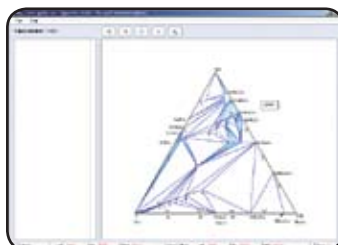
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These printed reference volumes from I to XIV include Phase Equilibria Diagrams on Oxides, Salts, High Pressure Systems, Semiconductors and Chalcogenides, Borides, Carbides, and Nitrides.

VOLUME I: OXIDES AND SALTS • 1964 • HARDCOVER • 601 PAGES

Ernest M. Levin, Carl R. Robbins, and Howard F. McMurdie, Editors

This volume features a 32-page tutorial, including a section on the phase rule, diagram interpretation, and experimental methods; a glossary; and a bibliography. Contains 2,066 diagrams.

\$249 List • \$199 ACerS Member Order Code: PH01 • ISBN: 0-916094-04-9

VOLUME II: OXIDES AND SALTS • 1969 • HARDCOVER • 625 PAGES

Ernest M. Levin, Carl R. Robbins, and Howard F. McMurdie, Editors

Contains 2,279 diagrams, 70 percent of which were originally published between 1960 and 1969. Volume II, combined with Volume I, completes the coverage of all classic salt systems.

\$249 List • \$199 ACerS Member Order Code: PH02 • ISBN: 0-916094-05-7

VOLUME III: OXIDES AND SALTS • 1975 • HARDCOVER • 513 PAGES

Ernest M. Levin and Howard F. McMurdie, Editors

Contains 1,075 diagrams, most of which are from literature published between 1967 and 1975. This is the first volume to feature evaluated data, that is, expert critiques of the original references.

\$249 List • \$199 ACerS Member Order Code: PH03 • ISBN: 0-916094-06-5

VOLUME IV: OXIDES • 1981 • HARDCOVER • 330 PAGES

Robert S. Roth, Taki Negas, and Lawrence P. Cook, Editors

The Phase Equilibria Diagrams series is restructured beginning with Volume IV, as diagrams are reorganized into more topically focused editions. This book contains 839 evaluated diagrams, most of which are from literature published between 1971 and 1981.

\$249 List • \$199 ACerS Member Order Code: PH04 • ISBN: 0-916094-40-5

VOLUME V: SALTS • 1983 • HARDCOVER • 395 PAGES

Robert S. Roth, Taki Negas, and Lawrence P. Cook, Editors

Contains 893 evaluated diagrams, most of which are from literature published between the years 1971 and 1981. This volume features expanded coverage on non-oxide systems, including carbides and nitrides.

\$249 List • \$199 ACerS Member Order Code: PH05 • ISBN: 0-916094-47-2

VOLUME VI: OXIDES • 1987 • HARDCOVER • 515 PAGES

Robert S. Roth, Jennifer R. Dennis, and Howard F. McMurdie, Editors

Contains 1,078 evaluated diagrams, most of which are from literature published between the years 1975 and 1983. Eighty percent of the diagrams in this book are found in the section on oxide systems.

\$249 List • \$199 ACerS Member Order Code: PH06 • ISBN: 0-916094-90-1

VOLUME VII: SALTS • 1989 • HARDCOVER • 591 PAGES

Lawrence P. Cook and Howard F. McMurdie, Editors

Contains 1,082 evaluated diagrams, most of which are from literature published between the years 1975 and 1983. Virtually all the diagrams cover halides and oxyanion salts exclusively.

\$249 List • \$199 ACerS Member Order Code: PH07 • ISBN: 0-944904-04-1

VOLUME VIII: HIGH PRESSURE SYSTEMS • 1989 • HARDCOVER • 511 PAGES

Bjorn O. Mysen, Editor

Contains 915 evaluated diagrams describing oxide and salt systems with and without water, most at pressures above ambient atmospheric pressure. The majority of diagrams in this volume are drawn from earth science literature published between 1975 and 1983.

\$249 List • \$199 ACerS Member Order Code: PH08 • ISBN: 0-944904-23-8

VOLUME IX: SEMICONDUCTORS AND CHALCOGENIDES • 1992 • HARDCOVER • 381 PAGES

Gerald B. Stringfellow, Editor

Contains 778 diagrams, most of which are from literature published between 1965 and 1985. Diagrams cover non-oxide systems involving elements in Groups IIIA, IVA, VA, and VIA.

\$249 List • \$199 ACerS Member Order Code: PH09 • ISBN: 0-944904-50-5

VOLUME X: BORIDES, CARBIDES AND NITRIDES • 1994 • HARDCOVER • 475 PAGES

Anna E. McHale, Editor

Contains 919 evaluated diagrams describing boride, carbide, and nitride systems. Particular attention is given to systems containing Si_3N_4 and SiC . Since most of the systems covered in this volume are products of the "Space Age," the referenced information comes from literature published between 1965 and 1993.

\$249 List • \$199 ACerS Member Order Code: PH10 • ISBN: 0-944904-74-2

VOLUME XI: OXIDES • 1995 • HARDCOVER • 487 PAGES

Robert S. Roth, Editor

Contains 871 evaluated diagrams and 685 commentaries, most of which are from literature published between the years 1975 and 1988. This volume contains many oxidation/reduction oxide systems pertaining to uses as varied as conductive ceramics and refractories. Many of the systems covered are of the more useful structural families, such as perovskites and polytitanates, spinels, scheelites and garnets, and rare-earth oxides. Silicates, aluminates, ferrites, titanates, and zirconates are especially numerous.

\$249 List • \$199 ACerS Member Order Code: PH11 • ISBN: 0-944904-90-4

VOLUME XII: OXIDES • 1996 • HARDCOVER • 398 PAGES

Anna E. McHale and Robert S. Roth, Editors

Contains 444 evaluated diagrams describing oxide systems including metal plus two oxides, two metals plus two oxides, and up-to-date binary oxides such as $\text{MgO-Al}_2\text{O}_3$, MgO-SiO_2 , and $\text{B}_2\text{O}_3\text{-Mn}_2\text{O}_3$. In addition, present are diagrams on three oxides and four oxides, as well as a few five- and six-oxide systems. The generic usefulness of phase diagrams makes each volume essential to materials researchers' efforts. This text is clearly a key asset to the library of any ceramist, metallurgist, or solid-state chemist.

\$249 List • \$199 ACerS Member Order Code: PH12 • ISBN: 1-57498-014-9

VOLUME XIV: OXIDES • 2005 • HARDCOVER • 672 PAGES

R.S. Roth and T.A. Vanderah, Editors

Contains more than 1300 evaluated diagrams and more than 800 descriptive commentaries on oxide systems, primarily from literature published through 2004. This volume complements the earlier phase volumes on oxide systems (I-IV, VI, XI, XII, XIII), Annuals 91-93, and the topical publications on High- T_c Superconductors, Zr systems, and Electronic Ceramics.

Book: \$249 List • \$199 ACerS Member Order Code: PH14 • ISBN: 1-57498-161-7

PHASE EQUILIBRIA DIAGRAMS CUMULATIVE INDEX 2003 • 2003 • SOFTCOVER • 397 PAGES

This comprehensive index is essential for finding given multi-element or multi-phase diagrams. This reference covers most phase diagrams published under the ACerS-NIST Phase Equilibria Diagrams series: Volumes I-XIII, Annuals 91-93, Phase Diagrams for High T_c Superconductors I and II, Phase Diagrams for Zirconium and Zirconia Systems, and Phase Diagrams for Electronic Ceramics I: Dielectric Ti, Nb, and Ta Oxide Systems, and simplifies the task of locating phase diagrams by system or author.

\$39 List • \$33 ACerS Member Order Code: PHIN03 • ISBN: 1-57498-213-3

ANNUAL 1993 • 1993 • SOFTCOVER • 227 PAGES

Anna E. McHale, Editor

Contains 383 evaluated systems for wide range of chemical systems that have appeared in literature dating from 1965 to 1985. The majority of these diagrams are dedicated to various oxide systems.

\$149 List • \$119 ACerS Member Order Code: PHAN93 • ISBN: 0-944904-62-9

ANNUAL 1992 • 1992 • SOFTCOVER • 182 PAGES

Anna E. McHale, Editor

Contains 352 evaluated systems for wide range of chemical systems that have appeared in literature dating from 1965 to 1985. A large number of systems involving water at near-ambient conditions are included in this edition.

\$149 List • \$119 ACerS Member Order Code: PHAN92 • ISBN: 0-944904-51-3

PHASE DIAGRAMS FOR ELECTRONIC CERAMICS I: DIELECTRIC TI, NB, AND TA OXIDE SYSTEMS • 2003 • HARDCOVER • 665 PAGES

Robert S. Roth, Editor

This topical volume focuses on systems of interest in the field of dielectric ceramics containing TiO_2 , Nb_2O_5 , and Ta_2O_5 . Such systems are important in the manufacture of ceramic components for applications including capacitors, transducers, actuators, resonators, and filters. The volume contains 857 figures and approximately 1100 diagrams. Included are selected diagrams from previously published volumes in the ACerS-NIST Phase Equilibria Diagram series, as well as many new diagrams featuring one or more of the title components. The volume also contains an appendix with approximately 200 other pertinent phase equilibria literature references.

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PHASE DIAGRAMS FOR HIGH- T_C SUPERCONDUCTORS I • 1991 • SOFTCOVER • 170 PAGES

John D. Whitler and Robert S. Roth, Editors

Contains 386 evaluated diagrams for superconducting oxide systems that have appeared in literature prior to 1991. Some diagrams were previously published in Phase Equilibria Diagrams Volumes I-X.

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PHASE DIAGRAMS FOR HIGH- T_C SUPERCONDUCTORS II • 1997 • SOFTCOVER • 275 PAGES

T.A. Vanderah, R.S. Roth, and H.F. McMurdie, Editors

Contains 310 figures with approximately 450 evaluated diagrams, most of which have appeared in the literature between 1991 and 1996. This volume contains a substantial amount of data obtained with variable oxygen partial pressures. Diagrams mapping the occurrence of superconductivity in composition/temperature space also are included. Diagrams pertinent to all the families of high-temperature superconductors are included.

\$149 List • \$119 ACerS Member Order Code: PHT02 • ISBN: 1-57498-040-8

4. PHASE EQUILIBRIA DIAGRAM TOPICAL CD-ROMS

The topical CD-ROMs are valuable resources for those seeking a subset of Phase Equilibria Diagrams on the following topics:

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- Zirconium and Zirconia Systems
- Electronic Ceramics
- Solid Oxide Fuel Cells
- Phase Equilibria Diagrams, Vol. XIV

PHASE DIAGRAMS FOR ELECTRONICS CERAMICS I • 2005 • CD-ROM

Robert S. Roth, Editor

This searchable CD-ROM contains the entire contents from the published book of the same title. The topical focus of this diagram collection is on systems of interest in the field of dielectric ceramics containing TiO_2 , Nb_2O_5 , and Ta_2O_5 . Such systems are important in the manufacture of ceramic components for applications including capacitors, transducers, actuators, resonators, and filters. The volume contains 857 figures and approximately 1,100 diagrams.

CD-ROM: \$249 List • \$199 ACerS Member • Order Code: PH108 • ISBN: 1-57498-241-9

PHASE DIAGRAMS FOR HIGH- T_c SUPERCONDUCTORS • 2005 • CD-ROM

J.D. Whittle, T.A. Vanderah, R.S. Roth, and H.F. McMurdie, Editors

This searchable CD-ROM contains the entire contents from the published books, Phase Diagrams for High- T_c Superconductors I and II. This CD-ROM includes 836 evaluated diagrams, most of which have appeared in literature between 1991 and 1996. Diagrams pertinent to all the families of high-temperature superconductors are included.

CD-ROM: \$249 List • \$199 ACerS Member • Order Code: PH106 • ISBN: 1-57498-239-7

PHASE DIAGRAMS FOR ZIRCONIUM AND ZIRCONIA SYSTEMS • 2005 • CD-ROM

H.F. McMurdie and H.M. Ondik, Editors

This searchable CD-ROM contains the entire contents from the published book of the same title and contains both old and new material. This CD-ROM includes 1,060 evaluated diagrams that describe all available data for systems containing zirconium.

CD-ROM: \$249 List • \$199 ACerS Member • Order Code: PH107 • ISBN: 1-57498-240-0

PHASE DIAGRAMS FOR SOLID OXIDE FUEL CELLS • 2006 • CD-ROM

Michael D. Hill, Editor

Phase Diagrams for Solid Oxide Fuel Cells is a topical cross-cut through the entire Phase Equilibria Diagrams published database. This compilation of 1596 diagrams is designed to be a resource for materials scientists working in this active area of research. The diagrams were selected according to their relevance to existing solid oxide fuel cell (SOFC) systems or to systems receiving attention in the research literature.

CD-ROM: \$249 List • \$199 ACerS Member • Order Code: PH110 • ISBN: 1-57498-285-0

VOLUME XIV: OXIDES • 2005 • CD-ROM • 672 PAGES

R.S. Roth and T.A. Vanderah, Editors

Contains more than 1300 evaluated diagrams and more than 800 descriptive commentaries on oxide systems, primarily from literature published through 2004. This volume complements the earlier phase volumes on oxide systems.

CD-ROM: \$249 List • \$199 ACerS Member • Order Code: PH109 • ISBN: 1-57498-256-7



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