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| 1. Record Nr. | UNICAMPANIASUN0040560 |
| Autore | Desideri, Carlo |
| Titolo | Beni ambientali e proprietà : i casi del National Trust e del conservatoire de l'espace littoral / Carlo Desideri, Emma A. Imparato ; con la presentazione di Carlo Alberto Graziani |
| Pubbl/distr/stampa | Milano : Giuffrè, c2005 |
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| Altri autori (Persone) | Imparato, Emma A. |
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| 2. Record Nr. | UNINA9911006811903321 |
| Autore | Kaufman J. Gilbert |
| Titolo | Relational analysis : guidelines for estimating the high- and low-temperature properties of metals / J. Gilbert Kaufman |
| Pubbl/distr/stampa | Materials Park, Ohio, : ASM International, 2011 |
| ISBN | 1-61503-846-9 |
| Descrizione fisica | 1 online resource (285 p.) |
| Soggetti | Metals - Thermal properties
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| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | ""Title Page""; ""Copyright""; ""Contents""; ""Preface and Acknowledgments""; ""About the Author""; ""Chapter 1 Introduction and |

Background"; "1.1 Relational Analysis of Temperature Effects"; "1.2 Interrelation of Relational Analysis and Parametric Analysis"; "Chapter 2 Relational Analysis Procedures"; "2.1 Procedure for Relational Analysis of Tensile Properties with Temperature"; "2.2 Other Examples of Relational Analysis"; "2.3 Cautions in Using Relational Analysis"; "Chapter 3 Accuracy of Relational Analysis for Several Wrought Aluminum Alloys"
"3.1 Alloy Alc 2014-T6 and -T651 (Table 3.1)"; "3.2 Alloy 2021-T81 (Table 3.2)"; "3.3 Alloy 5005-O (Table 3.3)"; "3.4 Alloy 6151-T6 (Table 3.4)"; "3.5 Alloy 7079-T6 (Table 3.5)"; "3.6 Alloy 7080-T7 (Table 3.6)"; "3.7 Conclusions about Accuracy and Precision"; "Chapter 4 Application of Relational Analysis to Archival High- and Low-Temperature Tensile Property Data for Wrought Aluminum Alloys"; "4.1 Relational Analyses of Various Tempers of 1xxx and 3xxx Alloys"; "4.2 Relational Analyses of Various Tempers of 2x24 and Other 2xxx Alloys"; "4.3 Relational Analyses of 4032-T6"; "4.4 Relational Analyses of Various Tempers of 5xxx Aluminum Alloys"; "4.5 Relational Analyses of Various Tempers of 6xxx Aluminum Alloys"; "4.6 Relational Analyses of Various Tempers of 7xxx Aluminum Alloys"; "4.7 Comparisons of Relational Analyses for Annealed Non-Heat-Treatable Alloys"; "4.8 Comparisons of Relational Analyses of Some 2xxx, 5xxx, 6xxx, and 7xxx Alloys"; "4.9 Application of Relational Analyses to Cryogenic Tensile Properties"; "4.10 Application of Relational Analyses to Elastic Moduli"
"Chapter 5 Application of Relational Analysis to Archival High- and Low-Temperature Tensile Property Data for Cast Aluminum Alloys"
5.1 Analysis of Data for the Sand Cast 200.0 Alloy Series"; "5.2 Analysis of Data for the Permanent Mold Cast 200.0 Alloy Series"; "5.3 Analysis of Data for the Sand Cast 300.0 Alloy Series"; "5.4 Analysis of Data for the Permanent Mold Cast 300.0 Alloy Series"; "5.5 Analysis of Data for the Die Cast 300.0 Alloy Series"; "5.6 Summary of Baseline Relationships for All 300.0 Casting Alloys"
"5.7 Cast Aluminum Alloys of the 400.0, 500.0, and 700.0 Series"; "5.8 Baseline Relationships for Cast Aluminum Alloys"; "5.9 Analysis of Subzero Temperature Data for Cast Aluminum Alloys"; "5.10 Analysis of Elastic Moduli of Cast Aluminum Alloys"; "Chapter 6 Application of Relational Analysis to New or Untested Wrought and Cast Aluminum Alloys"; "6.1 Alloy 1060-H14 and -H18 (Table 6.1)"; "6.2 Alloy 1350-O and -H18 (Table 6.2)"; "6.3 Alclad 2024-T3 and -T81 (Table 6.3)"; "6.4 Propeller Alloys 2025-T6 (Table 6.4)"; "6.5 Alloy 2324-T351 (Table 6.5)"; "6.6 Alloy 3105-O and -H22 (Table 6.6)"

Sommario/riassunto

This book demonstrates how to use relational analysis methodology to extrapolate and estimate properties of metallic alloys at high temperatures from lower temperature data, and for estimating the properties of alloys for which scant property data exists. Data tables and graphs are presented for a wide range of aluminum alloys. Also shown, is how to apply relational analysis to other alloy systems including steels, magnesium alloys, and titanium alloys.
