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Autore	Saunders N (Nigel)
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Electron Energy Calculations; 6.4. The Behaviour of Magnetic Elements; 6.5. The Effect of Pressure; 6.6. Determination of Interaction Coefficients for Alloys and Stability of Counter-Phases; 6.7. Summary; References; CHAPTER 7. ORDERING MODELS; 7.1. Introduction; 7.2. General Principles of Ordering Models; 7.3. Features of Various Ordering Models; 7.4. Empirical Routes; 7.5. Role of Lattice Vibrations; 7.6. Integration of Ordering into Phase Diagram Calculations 7.7. Comments on the use of ordering treatments in CALPHAD calculationsReferences; CHAPTER 8. THE ROLE OF MAGNETIC GIBBS ENERGY; 8.1. Introduction; 8.2. Derivation of the Magnetic Entropy; 8.3. Derivation of Magnetic Enthalpy, H_{mag} ; 8.4. Derivation of Magnetic Gibbs Energy; 8.5. The Effect of Alloying Elements; 8.6. The Estimation of Magnetic Parameters; 8.7. Multiple Magnetic States; 8.8. Changes in Phase Equilibria Directly Attributable to G_{mag} ; 8.9. Interaction with External Magnetic Fields; References; CHAPTER 9. COMPUTATIONAL METHODS; 9.1. Introduction 9.2. Calculation of Phase Equilibria9.3. Thermodynamic Optimisation of Phase Diagrams; References; CHAPTER 10. THE APPLICATION OF CALPHAD METHODS; 10.1. Introduction; 10.2. Early CALPHAD Applications; 10.3. General Background to Multi-Component Calculations; 10.4. Step-by-Step Examples of Multi-Component Calculations; 10.5. Quantitative Verification of Calculated Equilibria in Multi-Component Alloys; 10.6. Selected Examples; 10.7. Summary; References; CHAPTER 11. COMBINING THERMODYNAMICS AND KINETICS; 11.1. Introduction; 11.2. The Calculation of Metastable Equilibria 11.3. The Direct Coupling of Thermodynamics and Kinetics

Sommario/riassunto

This monograph acts as a benchmark to current achievements in the field of Computer Coupling of Phase Diagrams and Thermochemistry, often called CALPHAD which is an acronym for Computer CALculation of PHase Diagrams. It also acts as a guide to both the basic background of the subject area and the cutting edge of the topic, combining comprehensive discussions of the underlying physical principles of the CALPHAD method with detailed descriptions of their application to real complex multi-component materials. Approaches which combine both thermodynamic and kinetic models to

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Autore	Floyd Samuel A
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Nota di contenuto	Cover Page; Title Page; Copyright Page; Dedication; Contents; Introduction; 1: African Music, Religion, and Narrative; 2: Transformations; 3: Syncretization and Synthesis: Folk and Written Traditions; 4: African-American Modernism, Signifyin(g), and Black Music; 5: The Negro Renaissance: Harlem and Chicago Flowerings; 6: Transitions: Function and Difference in Myth and Ritual; 7: Continuity and Discontinuity: The Fifties; 8: The Sixties and After; 9: Troping the Blues: From Spirituals to the Concert Hall; 10: The Object of Call-Response: The Signifyin(g) Symbol 11: Implications and ConclusionsAppendix; Printed Works Cited; Sound Recordings Cited; Films and Videotapes Cited; Index; Footnotes
Sommario/riassunto	When Jimi Hendrix transfixed the crowds of Woodstock with his gripping version of ""The Star Spangled Banner,"" he was building on a foundation reaching back, in part, to the revolutionary guitar playing of

Howlin' Wolf and the other great Chicago bluesmen, and to the Delta blues tradition before him. But in its unforgettable introduction, followed by his unaccompanied "talking" guitar passage and inserted calls and responses at key points in the musical narrative, Hendrix's performance of the national anthem also hearkened back to a tradition even older than the blues, a tradition rooted in
