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2.6.1. Thermodynamic definition of an athermic solution2.6.2. Variation of the activity coefficients with temperature in an athermic solution; 2.6.3. Molar entropy and Gibbs energy of mixing for an athermic solution; 2.6.4. Molar heat capacity of an athermic solution; 3: Microscopic Modeling of Liquid Molecular Solutions; 3.1. Models of binary solutions with molecules of similar dimensions; 3.1.1. The microscopic model of a perfect solution; 3.1.2. Microscopic description of strictly-regular solutions; 3.1.3. Microscopic modeling of an ideal dilute solution

3.2. The concept of local composition

| Sommario/riassunto | This book is part of a set of books which offers advanced students successive characterization tool phases, the study of all types of phase (liquid, gas and solid, pure or multi-component), process engineering, chemical and electrochemical equilibria, and the properties of surfaces and phases of small sizes. Macroscopic and microscopic models are in turn covered with a constant correlation between the two scales. Particular attention has been given to the rigor of mathematical developments.   This second volume in the set is devoted to the study of liquid phases. |