

Librería
Bonilla y Asociados
desde 1950



Título: Statistical Thermodynamics Of Surfaces, Interfaces, And Membranes

Autor: Safran, Samuel

Precio: \$550.00

Editorial:

Año: 2003

Tema:

Edición: 1^a

Sinopsis

ISBN: 9780813340791

Understanding the structural and thermodynamic properties of surfaces, interfaces, and membranes is important for both fundamental and practical reasons. Complex fluids and solids, important in the development of new materials, cannot be designed using trial and error methods due to the multiplicity of components and parameters. While these materials can sometimes be analyzed in terms of microscopic mixtures, it is often conceptually simpler to regard them as dispersions and to focus on the properties of the internal interfaces found in these systems. The basic physics centers on the properties of quasi-two-dimensional systems embedded in the three-dimensional world, thus exhibiting phenomena which do not exist in bulk materials. This approach is the basis behind the theoretical presentation of Statistical Thermodynamics of Surfaces, Interfaces, and Membranes. Focusing on the large-scale properties of these systems, these notes are meant to supplement the usual treatments in books on colloid and interface science.