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Proceedings

FUNDAMENTALS OF ADSORPTION

Alan L. Myers and Georges Belfort, *Editors*
(*Proceedings of the Engineering Foundation Conference held at Schloss Elmau, Bavaria, West Germany, May 6-11, 1983*)

This conference was cosponsored by the American Institute of Chemical Engineers and Deutsche Vereinigung für Chemie-und Verfahrenstechnik. "The theoretical work reported at Elmau is focused on the effects of surface heterogeneity, and on the application of Monte Carlo "experiments" to unravel the complexities of intermolecular forces. The thermodynamic aspects of adsorption are developed to the point where reliable predictions of mixture equilibria can be made. More realistic models for calculating adsorber breakthrough curves are available. Several inventions described at this meeting allow bulk separations of both gas and liquid mixtures in fixed beds. These factors have contributed to the rapid increase in research and development devoted to adsorption." *From the introduction.* Contains 73 papers, author index, and subject index.

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