

Computer Aided Property Estimation for Process and Product Design

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COMPUTER AIDED PROPERTY
ESTIMATION FOR PROCESS AND
PRODUCT DESIGN

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Properties of chemical compounds and their mixtures are needed in almost every

aspect of process and product design. When the use of experimental data is not possible, one of the most widely used options in the use of property estimation models. "Computer Aided Property Estimation for Process and Product Design" provides a presentation of the most suitable property estimation models available today as well as guidelines on how to select an appropriate model. Problems that users are faced with, such as: which models to use and what their accuracy is, are addressed using a systematical approach to property estimation. The volume includes contributions from leading experts from academia and industry. A wide spectrum of properties and phase equilibria types is covered, making it indispensable for research, development and educational purposes. This book presents the latest developments in computational modelling for thermodynamic property estimation. It combines theory with practice and includes illustrative examples of software applications. The questions users of property models are faced with are addressed comprehensively.

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