

systematic procedure as in chapter four is done in which a dimensional analysis and derivation of the relevant dimensionless parameters is carried out. Several useful statements from a practical point of view are made – especially concerning the discussion on necessary similarities between models and prototypes of processes. Hints are given on what points a chemical engineer should focus on with respect to maintaining similarity in order to save time and money in their projects. I found both chapters useful from a practical point of view, because the application of different dimensionless numbers is shown. Overall, I believe that the last three chapters contain excellent advice as well as practical applications for chemical engineers.

The question now arises, for whom is this book adequate? Overall, there are many highly practical and applicable points for professional engineers. I would not recommend this book for complete beginners in chemical engineering. The knowledgebase with units and dimensions, basics of linear algebra, as well as fundamentals of mass- and heat transfer must be set.

I also find that experience concerning the application of dimensionless numbers as well as basics on reaction engineering must be present. The derived dimensionless numbers applied in this book often “fall from the sky”. The reader is expected to recognize these immediately and understand how they can be applied. Additionally, several matrix operations are performed throughout the chapters. If these mathematical and chemical engineering foundations are not set, reading and more importantly, understanding the content of this book will be more than challenging for students. For professional engineers however, I believe this book contains several useful hints and offers several practical and concise tips when it comes to scaling of processes. Some of these hints could be highlighted more strongly, to make the main message of each chapter clearer to the reader.

The cost of this book lies around \$26, which I find more than reasonable. The amount of white pages is low and the overall information content is high. □

