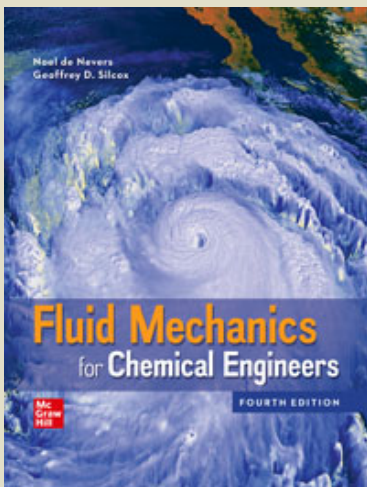


# List of Changes



## Fluid Mechanics for Chemical Engineers 4th Edition

de Nevers and Silcox

ISBN: 1260475522 / 9781260475524 / © 2021

The 4th edition of *Fluid Mechanics for Chemical Engineers* retains the qualities that have made earlier editions popular. It is readable, accessible, and filled with intriguing examples and problems that bring the material to life. Many of the examples are based on household items that students can observe every day. Some of the new material that has been added includes wind turbines, hydraulic fracturing, and microfluidics.

SEE LIST OF CHANGES ATTACHED.

## Changes to de Nevers: Design of Concrete Structures, 4e

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### Overall changes:

- The fourth edition includes numerous new and revised examples.
- There are about 30 new problems that draw on the new material.

### Chapter changes:

- **New material on hydraulic fracturing:** Chapters 2 (Fluid Statics) and 6 (Fluid Friction in Steady, 1-D Flow) introduce hydraulic fracturing through calculations of the minimum surface pressure required to fracture rock and the surface pressure required to steadily force fluid into the rock.
- **New material on wind turbines:** Chapter 10 (Pumps, Compressors, and Turbines) now includes new material on wind turbines. It also describes three new positive displacement pumps including peristaltic pumps and a one-use liquid dispenser.
- **New chapter on microfluidics:** Chapter 21 has important applications in biology, medicine, and chemical analysis.
- **Updated examples using household items:** Chapter 2 and Chapter 10 contain updated examples that use household items, such as a coffee maker and a one-use liquid dispenser, which make the material more accessible.