



# Solar Engineering of Thermal Processes

By John A. Duffie, William A. Beckman

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Over several editions, *Solar Engineering of Thermal Processes* has become a classic solar engineering text and reference. This revised *Fourth Edition* offers current coverage of solar energy theory, systems design, and applications in different market sectors along with an emphasis on solar system design and analysis using simulations to help readers translate theory into practice.

An important resource for students of solar engineering, solar energy, and alternative energy as well as professionals working in the power and energy industry or related fields, *Solar Engineering of Thermal Processes, Fourth Edition* features:

- Increased coverage of leading-edge topics such as photovoltaics and the design of solar cells and heaters
- A brand-new chapter on applying CombiSys (a readymade TRNSYS simulation program available for free download) to simulate a solar heated house with solar- heated domestic hot water
- Additional simulation problems available through a companion website
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#### About the Author

**JOHN A. DUFFIE** (deceased) was Professor Emeritus of Chemical Engineering and past Director of the Solar Energy Laboratory at the University of Wisconsin–Madison.

**WILLIAM A. BECKMAN** is the Ouweneel-Bascom Professor Emeritus of Mechanical Engineering and Director Emeritus of the Solar Energy Laboratory at the University of Wisconsin–Madison.

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