

**Modeling and Analysis Principles
for
Chemical and Biological Engineers
2nd Edition**

Errata for the Second Edition, Fourth Printing

Check www.chemengr.ucsb.edu/~jbrow/principles for a current list

December 29, 2025

1. None yet.

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Other Changes from the Second Edition, third printing to fourth printing

December 29, 2025

1. All figures in the text and solution manual requiring numerical computation were produced with Python instead of Octave starting with this printing.
2. Pages 352-353. Added Exercises 3.58 and 3.59 for convection-diffusion in a semi-infinite domain and transient heating of a slab with prescribed flux.
3. Pages 390-391. Extended the argument for calculating the sample mean and sample variance so that it applies for vector-valued as well as scalar-valued random variables.
4. Page 542. Added new entry 38 to Table A.1 of Laplace transforms.