illustrate the fact that biological systems are very amenable to representation in terms of networks. The relationship is shown between process kinetics (i.e., based on mechanistic information) and network thermodynamic analyses.

Finally, the author uses three chapters to illustrate the solution of practical networks via the SPICE network simulation software developed for the analysis of electrical circuits. The entire development of network thermodynamics in the book is directed to implementation via this electrical network simulator program. SPICE offers several advantages over alternative simulation packages, mostly associated with its widespread adoption and continued development and sophistication. Furthermore, many potential users will be familiar with the appearance of electrical circuits and their representation of discrete dynamic systems in comparison with other methods of representing and solving thermodynamic networks, such as bond graphs, which are more general and powerful. The initial chapter of this section deals with a general introduction to the syntax and use of the SPICE simulation program. Thereafter come two chapters on problems in reaction networks, pharmacokinetics, and active transport across membranes.

Mikulecky closes the book with a brief chapter on the need and justification for developing a more general theory for complex systems, with network thermodynamics being a prime candidate to provide the requisite analytical tools, followed by appendix materials on thermodynamic proofs and topology.

Unfortunate distractions in reading this book are the unacceptably large number of errors, introduced presumably during typesetting, plus the use of a somewhat unconventional and occasionally inconsistent formatting style. The production quality certainly does not at all match the intellectual integrity of the text. Since many of the printing errors cloud the meaning of critical matters, I could not recommend this book as a text for a course in network thermodynamics, even though there is a need for just such a book. Although the tone of much of the text is one of teaching, and it is done effectively, there are no worked numerical examples nor problem sets for study exercises.

In summary, this is a book that should be quite useful to researchers interested in developing models for the behavior of complex processes in living systems. I recommend it as an interesting and stimulating treatise for researchers working in the analysis of complex dynamic systems, and of living systems in particular. It brings together in a common format a presentation on theory, solution techniques, and practical applications in network thermodynamics. The book should bolster the adoption of this analysis tool.

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CORRECTION

In Volume 23, Number 5, the September/October 1995 issue of *Annals of Biomedical Engineering*, an error in Equation 7 of the paper by Lofti Senhadji et al., entitled "Wavelet Analysis of EEG for Three-Dimensional Mapping of Epileptic Events," was discovered by the author. The correct expression of the second part of Eq. 7 is as follows:

$$g_n = \frac{\left[\sum_{i=1}^M (1/a_j) |Da_{i,n}|^2 \right]}{\left[\sum_{i=1}^M |Da_{i,n}|^2 \right]}$$