

Publications

A. Citation Record

Over 1500 total citations by others

Over 100 citations by others each of the last 8 years

H index = 20

B. Books and Contributions to Books

1. *Multicomponent Mass Transfer - Theory and Applications*
R. Krishna and R. Taylor
Chapter 7 in *Handbook for Heat and Mass Transfer Operations*,
N.C. Cheremisinoff, Editor. Gulf Publishing Company, 1986.
2. *Multicomponent Mass Transfer*
R. Taylor and R. Krishna
Wiley Series in Chemical Engineering, John Wiley and Sons, September 1993
3. *The ChemSep Book*
H.A. Kooijman and R. Taylor
Books on Demand, 2000
4. *Distillation*
M.F. Doherty, T.Z. Fidkowski, M.F. Malone, R. Taylor
Chapter 13 of *Perry's Chemical Engineers Handbook*, 8th Edition (D. Green Ed.)
McGraw-Hill, New York, October 2007

C. Invited Articles

1. *Modeling Separation Processes with Nonequilibrium Models*
R. Taylor and H.A. Kooijman
Canadian Chemical Engineering News, 24-27, October 1995
2. *Real World Modeling of Distillation*
R. Taylor, R. Krishna, and H.A. Kooijman
Chemical Engineering Progress, **99**(7), 28-39, 2003
3. *(Di)Still Modeling After All These Years – Invited Commentary*
R. Taylor
Ind. Eng. Chem. Res., **46**, 4349-4357, 2007

D. Reviewed Journal Articles

1. *The Maxwell-Stefan Formulation of Irreversible Thermodynamics for Simultaneous Heat and Mass Transfer*
G. L. Standart, R. Taylor and R. Krishna
Chem. Eng. Commun., **3**, 277, 1979.
2. *Stability of the Film Model for Multicomponent Mass Transfer*
R. Taylor and D. R. Webb
Chem. Eng. Commun., **6**, 175, 1980.
3. *On the Relationship Between the Exact and Linearized Solutions of the Maxwell-Stefan Equations for the Multicomponent Film Model*
R. Taylor and D. R. Webb
Chem. Eng. Commun., **7**, 287, 1980.

4. *Film Models for Multicomponent Mass Transfer, Computational Methods I: The Exact Solution of the Maxwell-Stefan Equations.*
R. Taylor and D. R. Webb
Comput. Chem. Eng., **5**, 61-73, 1981.
5. *On Exact Solutions of the Maxwell-Stefan Equations for the Multicomponent Film Model*
R. Taylor
Chem. Eng. Commun., **10**, 61, 1981.
6. *On Multicomponent Mass Transfer in Turbulent Flow*
R. Taylor
Letts. Heat and Mass Transfer, **8**, 397, 1981
7. *Coupled Heat and Mass Transfer in Multicomponent Systems; Solution of the Maxwell-Stefan Equations*
R. Taylor
Letts. Heat and Mass Transfer, **8**, 405, 1981
8. *The Efficient Calculation of Rates of Multicomponent Condensation from a Film Model*
D. R. Webb and R. Taylor
Chem. Eng. Sci., **37**, 117, 1982
9. *Calculation of Steady State Mass Transfer Rates in Porous Media in the Transition Region*
R. Taylor
Ind. Eng. Chem. Fundam., **21**, 63, 1982.
10. *Film Models for Multicomponent Mass Transfer, Computational Methods II: The Linearised Theory*
R. Taylor
Comput. Chem. Eng., **6**, 69, 1982.
11. *Film Models for Multicomponent Mass Transfer: Diffusion in Physiological Gas Mixtures.*
R. Taylor and R. Krishnamurthy
Bull. Math. Biol., **44**, 361, 1982.
12. *More on Exact Solutions of the Maxwell-Stefan Equations*
R. Taylor
Chem. Eng. Commun., **14**, 121, 1982.
13. *On Some Explicit Approximate Solutions of the Maxwell-Stefan Equations for the Multicomponent Film Model*
R. Taylor and L. W. Smith
Chem. Eng. Commun., **14**, 361, 1982.
14. *Calculation of Multicomponent Mass Transfer at High Transfer Rates.*
R. Krishnamurthy and R. Taylor
Chem. Eng. J., **25**, 47, 1982
15. *Solution of the Linearised Equations of Multicomponent Mass Transfer*
R. Taylor
Ind. Eng. Chem. Fundam., **21**, 407-413, 1982.
16. *Simulation of Binary Vapor Condensation in the Presence of an Inert Gas*
R. Taylor and M. Noah
Letts. Heat and Mass Transfer, **9**, 463-472, 1982

17. *Film Models for Multicomponent Mass Transfer: A Statistical Comparison*
L. W. Smith and R. Taylor
Ind. Eng. Chem. Fundam., **22**, 97-104, 1983.
18. *A Novel Approach to the Calculation of Mass Transfer Rates from the Linearised Equations.*
D. Vickery, R. Taylor and G. R. Gavalas
Comput. Chem. Eng., **8**, 179, 1984
19. *Simulation of Binary Vapor Condensation in the Presence of an Inert Gas - A Sequel.*
R. Taylor
Int. Commun. Heat Mass Transfer, **11**, 429, 1984
20. *A Nonequilibrium Stage Model of Multicomponent Separation Processes. I. Model Description and Method of Solution*
R. Krishnamurthy and R. Taylor
A.I.Ch.E.J., **31**, 449, 1985.
21. *A Nonequilibrium Stage Model of Multicomponent Separation Processes. II. Comparison with Experiment*
R. Krishnamurthy and R. Taylor
A.I.Ch.E.J., **31**, 456, 1985.
22. *A Nonequilibrium Stage Model of Multicomponent Separation Processes. III. The Influence of Unequal Component Efficiencies in Process Design Problems*
R. Krishnamurthy and R. Taylor
A.I.Ch.E.J., **31**, 1973, 1985.
23. *Simulation of Packed Distillation and Absorption Columns*
R. Krishnamurthy and R. Taylor
Ind. Eng. Chem. Process Des. Dev., **24**, 513, 1985
24. *Condensation of Vapor Mixtures. I. Nonequilibrium Models and Design Methods*
R. Taylor, R. Krishnamurthy, J. S. Furno and R. Krishna
Ind. Eng. Chem. Proc. Des. Dev., **25**, 83, 1986
25. *Condensation of Vapor Mixtures. II. Comparison with Experiment*
J. S. Furno, R. Taylor and R. Krishna
Ind. Eng. Chem. Proc. Des. Dev., **25**, 98, 1986
26. *Path Following Approaches to the Solution of Multicomponent Separation Process Problems.*
D. J. Vickery and R. Taylor
A.I.Ch.E.J., **32**, 547, 1986.
27. *Absorber Simulation and Design Using a Nonequilibrium Stage Model.*
R. Krishnamurthy and R. Taylor
Can. J. Chem. Eng., **64**, 96, 1986
28. *A Nonequilibrium Stage Model of Multicomponent Separation Processes. IV. A Novel Approach to Packed Column Design*
M. S. Sivasubramanian, R. Taylor and R. Krishnamurthy
A.I.Ch.E.J., **33**, 325, 1987

29. *An Efficient Continuation Method for the Solution of Difficult Equilibrium Stage Separation Process Problems*
D. J. Vickery, J. J. Ferrari and R. Taylor
Comput. Chem. Eng., **12**, 99, 1988
30. *A Nonequilibrium Stage Model of Multicomponent Separation Processes. V. Computational Methods for Solving the Model Equations*
M. F. Powers, D. J. Vickery, A. Arehole and R. Taylor
Comput. Chem. Eng., **12**, 1229-1241, 1988
31. *A Nonequilibrium Stage Model of Multicomponent Separation Processes. VI. Liquid - Liquid Extraction*
M. Lao, J. P. Kingsley, R. Krishnamurthy and R. Taylor
Chem. Eng. Commun., **86**, 73-89, 1989.
32. *On an Explicit Approximate Solution of the Generalized Maxwell Stefan Equations for nonideal fluids*
R. Taylor
Chem. Eng. Commun., **103**, 53-56, 1991.
33. *Composition Derivatives of Activity Coefficient Models (for the estimation of diffusion coefficients in liquid mixtures)*
R. Taylor and H.A. Kooijman
Chem. Eng. Commun. **102**, 87-106, 1991
34. *On the Prediction of Diffusion Coefficients in Multicomponent Liquid Mixtures*
H.A. Kooijman and R. Taylor
Ind. Eng. Chem. Res., **30**, 1217-1222, 1991
35. *A Second Generation Nonequilibrium Model for Computer Simulation of Multicomponent Separation Processes*
R. Taylor, H.A. Kooijman and J-S. Hung
Comput. Chem. Eng., **18**, 205-217, 1994
36. *Distillation Column Design Calculations Using a Nonequilibrium Model*
S. Agarwal and R. Taylor
Ind. Eng. Chem. Res., **33**, 2351, 1994
37. *Modeling Mass Transfer in Three-Phase Distillation*
M. Lao and R. Taylor
Ind. Eng. Chem. Res., **33**, 2367, 1994
38. *Chemical Engineering with Maple*
R. Taylor and K. Atherley
Chem. Eng. Ed. **29**(1), 56-61, 1995
39. *Modelling Mass Transfer in Multicomponent Distillation*
H.A. Kooijman and R. Taylor
Chem. Eng. J. **57**, 177-188, 1995
40. *A Dynamic Nonequilibrium Model of Tray Distillation Columns*
H.A. Kooijman and R. Taylor
AIChEJ, **41**, 1852-1863, 1995
41. *Complex Domain Distillation Calculations*
R. Taylor, K. Achuthan, and A. Lucia
Comput. Chem. Eng., **20**, 93-111, 1996

42. *Thermodynamics with Maple. IV- The Properties of Steam*
R. Taylor
Maple Tech. Journal, **3**, 61-68, 1996
43. *Solving Stiff Differential Equations and Differential Algebraic Systems with Maple V*
D. Schwalbe , H.A. Kooijman and R. Taylor
Maple Tech. Journal, **3**, 47-53, 1996
44. *Automatic Derivation (and Differentiation) of Thermodynamic Property Functions Using Computer Algebra*
R. Taylor
Fluid Phase Equilibria, **129**, 37-47, 1997
45. *Thermodynamics with Maple. I - Symbolic Computation*
R. Taylor
Mathematics and Computation in Simulation, **45**, 101-119, 1998
46. *Thermodynamics with Maple. II - Numerical and Graphical Applications*
R. Taylor
Mathematics and Computation in Simulation, **45**, 121-146, 1998
47. *Modeling of a Reactive Separation Process Using a Nonequilibrium Stage Model*
A. Higler, R. Taylor, and R. Krishna
Comput. Chem. Engng., **22**, S111-S118, 1998.
48. *A Collection of 10 Numerical Problems in Chemical Engineering Solved by Various Mathematical Software Packages*
M.B. Cutlip, J.J. Hwalek, H.E. Nuttall, M. Schacham, J. Brule, J. Widmann, T. Han, B. Finlayson, E.M. Rosen, and R. Taylor
Computer Applications in Engineering Education, **6**, 169-180, 1998.
49. *Maple and the Art of Thermodynamics*
R. Baur, J. Bailey, B. Brol, A. Tatusko and R. Taylor
Computer Applications in Engineering Education, **6**, 223-234, 1998.
50. *The Influence of Mass Transfer and Liquid Mixing on the Performance of a Reactive Distillation Tray Column*
A. Higler, R. Taylor, and R. Krishna
Chem. Eng. Sci, **54**, 2873-2881, 1999.
51. *Nonequilibrium Modeling of Reactive Distillation: Multiple Solutions in MTBE Synthesis*
A. Higler, R. Taylor, and R. Krishna
Chem. Eng. Sci., **54**, 1389-1395, 1999
52. *Counter-current Operation of a Structured Catalytically Packed Bed Reactor: Liquid Phase Mixing and Mass Transfer*
A.Higler, R. Taylor, J. Ellenberger, and R. Krishna
Chem. Eng. Sci., **54**, 5145-5152, 1999
53. *Influence of Mass Transfer in Distillation of Mixtures with a Distillation Boundary*
R. Baur, R. Taylor, R. Krishna, and J.A. Copati
Chem. Eng. Res. and Design, **77**, 561-565, 1999
54. *A Nonequilibrium Cell Model for Multicomponent (Reactive) Separation Processes*
A.Higler, R. Krishna, and R. Taylor
AIChEJ, **45**, 2357-2370, 1999

55. *Comparison of Equilibrium Stage and Nonequilibrium Stage Models for Reactive Distillation*
R. Baur, A. Higler, R. Taylor, and R. Krishna
Chem. Eng. J., **76**, 33-47, 2000
56. *A Nonequilibrium Cell Model for Packed Distillation Columns – The Influence of Maldistribution*
A. Higler, R. Krishna, and R. Taylor
Ind. Eng. Chem. Res, **38**, 3988-3999, 1999
57. *CFD Simulations of Sieve Tray Hydrodynamics*
R. Krishna, J.M. van Baten, J. Ellenberger, A.Higler, and R. Taylor
Chem. Eng. Res. and Design, **77**, 639-646, 1999.
58. *Nonequilibrium Modeling of Reactive Distillation: A Dusty Fluid Model for Heterogeneously Catalysed Processes*
A. Higler, R. Taylor, and R. Krishna
Ind. Eng. Chem. Res, **39**, 1596-1607, 2000
59. *Modeling Reactive Distillation – A review*
R. Taylor, and R. Krishna
Chem. Eng. Sci., **55**, 5183-5229, 2000
60. *Development of a Dynamic Nonequilibrium Cell Model for Reactive Distillation Tray Columns*
R. Baur, R. Taylor, and R Krishna
Chem. Eng. Sci., **55**, 6139-6154, 2000
61. *Dynamic behaviour of reactive distillation tray columns described with a nonequilibrium cell model*
R. Baur, R. Taylor, and R Krishna
Chem. Eng. Sci., **56**, 1721-1729, 2001
62. *Dynamic behaviour of reactive distillation columns described with a nonequilibrium stage model*
R. Baur, R. Taylor, and R Krishna
Chem. Eng. Sci., **56**, 2085-2102, 2001
63. *Influence of column hardware on the performance of reactive distillation columns*
R. Baur, R. Taylor, and R Krishna
Catalysis Today, **66**, 225-232, 2001
64. *The surface pair activity coefficient equation: an exact alternative to conventional activity coefficient models*
A. Klamt, G. Krooshof, and R. Taylor
AIChEJ, **48**, 2332-2349, 2002
65. *Bifurcation analysis for TAME synthesis in a reactive distillation column: Comparison of pseudo-homogeneous and heterogeneous reaction kinetics models*
R. Baur, R. Taylor, and R Krishna
Chemical Engineering and Processing, **42**, 211-221, 2003
66. *Prediction of Infinite Dilution Activity Coefficients Using COSMO-RS*
R. Putnam, R. Taylor, A. Klamt, F. Eckert, and M. Schiller
Ind. Eng. Chem. Res, **42**, 3635-3641, 2003

67. *Nonequilibrium Modelling of Three-Phase Distillation*
A.P. Higler, R. Chande, R. Baur, R. Krishna, and R. Taylor
Computers and Chemical Engineering, **28**, 2021-2036, 2004
68. *Influence of Mass Transfer in Distillation: Residue Curves and Total Reflux*
R. Taylor, R. Baur, and R. Krishna
AIChEJ, **50**, 3134-3148, 2004
69. *Influence of Mass Transfer in Distillation: Feasibility and Design*
R. Baur, R. Krishna, and R. Taylor
AIChEJ, **51**, 854-866, 2005
70. *The Geometry of Separation Boundaries: I. Basic Theory and Numerical Support*
A. Lucia and R. Taylor
AIChEJ, **52**, 582-594, 2006
71. *The Geometry of Separation Boundaries: Systems with Reaction*
R. Taylor, A. Miller, and A. Lucia
Ind. Eng. Chem. Res., **45**, 2777-2786, 2006
72. *Energy Efficient Hybrid Separation Processes*
A. Lucia, A. Amale and R. Taylor
Ind. Eng. Chem. Res., **45**, 8319-8328 2006
73. *The Geometry of Separation Boundaries: II. Mathematical Formalism*
A. Lucia and R. Taylor
AIChEJ, **53**, 1779-1788, 2007
74. *Distillation Pinch Points and More*
A. Lucia, A. Amale and R. Taylor
Comput. Chem. Eng. **32**, 1350-1372, 2008

E. Contributions to Symposia (Reviewed)

1. *A Newton-Like Algorithm for the Efficient Estimation of Rates of Multicomponent Condensation by a Film Model*
R. Taylor, A. Lucia and R. Krishnamurthy
I. Chem. E. Symposium Series No. 75, Distillation and Absorption, 380, 1983
2. *The Development of Continuation Methods for Solving Difficult Separation Process Problems*
D. J. Vickery, T. L. Wayburn and R. Taylor
I. Chem. E. Symp Series No. 75, Distillation and Absorption, B305, 1987.
3. *The Development of a Nonequilibrium Stage Model of Multicomponent Separation Processes.*
R. Taylor, M. F. Powers, M. Lao and A. Arehole
I. Chem. E. Symposium Series No. 104, Distillation and Absorption, B321, I. Chem. E., 1987.
4. *Industrial Applications of a Nonequilibrium Model of Distillation and Absorption Operations*
R. Taylor, H.A. Kooijman, and M.R. Woodman,
I. Chem. E. Symposium Series No. 128, Distillation and Absorption, A415-427, 1992.

5. *Complex Iterative Solutions to Process Model Equations?*
A. Lucia and R. Taylor
Proceedings of European Symposium on Computer Aided Process Engineering,
Computers in Chemical Engineering, 16S, S387-394, 1992
6. *Dynamic Simulation of Distillation and Absorption Operations Using a Nonequilibrium Model*
H.A. Kooijman and R. Taylor
Proceedings of European Symposium on Computer Aided Process Engineering,
Supplementary volume, 1-8, 1992
7. *Modeling and Analysis of Multicomponent Separation Processes*
R. Taylor and A. Lucia
Proc. Foundations of Computer Aided Chemical Process Design (FOCAPD 94)
AIChE Symposium Series, 1995.
8. *Chemical Engineering with Maple*
R. Taylor and K. Atherley
Maple V: Mathematics and its Application (R. Lopez, Ed.)
Proc. Maple Summer Workshop 1994, Birkhauser, Boston, 1994.
9. *Operation of a Packed Distillation Column: Modelling and Experiments*
S. Pelkonen, A. Gorak, H.A. Kooijman, and R. Taylor
Distillation and Absorption 1997, I.Chem.E. Symp. Ser. No. 142, pp 269-277, 1997
10. *Distillation Simulation with COSMO-RS*
R. Taylor, H.A. Kooijman, A. Klamt, and F. Eckardt
Proceedings of I.Chem.E. Symposium on Distillation and Absorption 2002 (on CD)
Baden-Baden Sept-Oct 2002
11. *Synthesis, Design and Retrofitting of Energy Efficient Separation Processes*
A.Lucia, A. Amale, & R. Taylor
Distillation and Absorption 2006
I.Chem.E. Symposium Series 152 (E. Sorensen Ed.) pp63-72

F. Contributions to Proceedings (Unreviewed)

1. *Film Models for Multicomponent Mass Transfer - A Theoretical Comparison*
R. Taylor and D. R. Webb
HTFS RS297, Proc. HTFS (Heat Transfer and Fluid Flow Service; AERE, Harwell)
Conference, Oxford, 1979
2. *Estimation of Rates of Multicomponent Condensation by Analogy with Vapour-Liquid Equilibrium*
D. R. Webb and R. Taylor
HTFS RS336, Proc. HTFS Conference, Oxford, 1980
3. *The Efficient Computation of Interphase Transfer Rates in Multicomponent Mixtures*
R. Taylor and D. R. Webb
HTFS RS337, Proc. HTFS Conference, Oxford, 1980
4. *Algorithms for the Calculation of Interphase Mass and Energy Transfer in Multicomponent Systems*
R. Krishnamurthy and R. Taylor
HTFS RS404, Proc. HTFS Conference, p. 685, Oxford, 1981

5. *Simplified Models of Multicomponent Mass Transfer: I. Development of the Models.*
R. Taylor
HTFS RS462, Proc. HTFS Conference, p. 647, Warwick, 1982
6. *Simplified Models of Multicomponent Mass Transfer: II. Simulation of Binary Vapor Condensation in the Presence of an Inert Gas*
M. K. Noah and R. Taylor
HTFS RS463, Proc. HTFS Conference, p. 657, Warwick, 1982
7. *Simplified Models of Multicomponent Mass Transfer: III. A More General Algorithm for the Calculation of Mass Transfer During Multicomponent Condensation*
A. Kumar and R. Taylor
HTFS RS469, Proc. HTFS Conference, p. 664, Warwick, 1982
8. *Application of a Nonequilibrium Stage Model to Absorber Design*
R. Krishnamurthy and R. Taylor
Proc. 34th Canadian Chemical Engineering Conference, p. 550, Quebec City, Quebec, October 1984
9. *The Rate Approach to Computer Simulation of Multicomponent Separation Processes.*
R. Taylor and R. H. Weiland
Proc. Conf. The Use of Computers in Chemical Engineering, 1987
10. *A Second Generation Nonequilibrium Model for Computer Simulation of Multicomponent Separation Processes*
J-S. Hung and R. Taylor
Proc. Conf. The Use of Computers in Chemical Engineering, *Computer Applications in Chemical Engineering*, Process Technology Proceedings, 19-24, Elsevier, 1990
11. *Crossflow in The Extruder*
C. Shaji, D.L. Powers, R. Taylor, G.A. Campbell
Proceedings, PPS North American Meeting, pp. 32-33, August 1998
12. *(Di)Still Modeling After All These Years – Invited paper*
R. Taylor
Distillation and Absorption 2006
I.Chem.E. Symposium Series 152 (E. Sorensen Ed.) pp1-20

G. Miscellaneous Articles

1. *Research on Mass Transfer.*
R. H. Weiland and R. Taylor
Chem. Eng. Educ., **16**, 158, 1982
2. *Book review: Multicomponent Distillation, by C. D. Holland, McGraw-Hill, 1981,*
Chem. Eng. Commun., **14**, 192, 1982
3. *A Survey of Fortran Compilers for the 386*
R. Taylor
The Fortran Journal, March/April 1991, pp 7-14
4. *WATCOM F77/386*
R. Taylor
The Fortran Journal, January/February 1992, pp 9-14

5. *ChemSep - Yet Another Software System for the Computer Simulation of Separation Processes*
H.A. Kooijman and R. Taylor
CACHE News, Fall 1992, pp 1-9
6. *Random Thoughts on User Interface Design for Engineering Software*
R. Taylor
Computing and Systems Technology Communications, **16**(1), pp 16-23, 1993
7. *Thermodynamics with Maple. I - Equations of State*
R. Taylor and M. Monagan
Maple Tech. Journal, Issue 10, 1993
8. *Thermodynamics with Maple. II - Phase Equilibria in Binary Systems*
R. Taylor
Maple Tech. Journal, **1**(1), 83-92, 1994
9. *Thermodynamics with Maple. III - Thermodynamic Property Relations and the Maxwell Equations*
S. Adams and R. Taylor
Maple Tech. Journal, **1**(2), 68-81, 1994
10. *ChemSep Release 3.1*
H.A. Kooijman and R. Taylor
CACHE News, No. 41, 13-19, Fall 1995
11. *ChemSep Case Book Supplemental*
R. Taylor
CACHE News, No. 44, 8-10, Spring 1997
13. *ChemProp*
H.A. Kooijman and R. Taylor
CACHE News, No. 44, 11-13, Spring 1997
14. *Engineering Computing with Maple*
R. Taylor
CACHE News, No. 47, 11-17, Fall, 1998
15. *Engineering Computing with Maple: Solution of PDEs via the Method of Lines*
R. Taylor
CACHE News, No. 49, 5-8, Fall, 1999
16. *ChemSep 5 for Windows*
H.A. Kooijman and R. Taylor
CACHE News, Fall 2004 (published online at <http://www.che.utexas.edu/cache/>)
17. *ChemSep Case Book: Handling Missing Components*
R. Taylor & H.A. Kooijman
CACHE News, Spring 2005 (published online at <http://www.che.utexas.edu/cache/>)
18. *ChemSep 6*
R. Taylor & H.A. Kooijman
CACHE News, Fall 2005 (published online at <http://www.che.utexas.edu/cache/>)
19. *ChemSep Case Book: Liquid Liquid Equilibrium*
R. Taylor, M. Bell, and C. Petroczok
CACHE News, Spring 2006 (published online at <http://www.che.utexas.edu/cache/>)

H. Software

1. *ChemSep - Yet Another Software System for the Computer Simulation of Separation Processes*
H.A. Kooijman and R. Taylor
CACHE Corporation, Fall 1992
2. *Thermodynamics and Chemical Engineering with Maple*
R. Taylor
Numerous contributions to the Maple Share Library, November 1993 ff
3. *Newton's Method for Solving Systems of Nonlinear Equations*
R. Taylor
Maple Share Library, April 1994.
4. *A Collection of 10 Numerical Problems in Chemical Engineering Solved by Maple*
Included on the CD accompanying Problem Solving in Chemical Engineering with Numerical Methods by M. Cutlip and M. Schacham, Prentice-Hall, 1998.
5. *Chemical Engineering Problems with Solutions*
Maple solutions on CD from ASEE Summer School for Chemical Engineering Faculty created by M.B. Cutlip and B.A. Finlayson.
6. *ChemSep 5 for Windows*
H.A. Kooijman and R. Taylor
CACHE Corporation, January 2005
7. *ChemSep-Lite: A Free Distillation Column Simulator*
H.A. Kooijman and R. Taylor
Published online at www.chemsep.org, January 2005