

Larry L. Schumaker: Books

Authored

1. *Spline Functions: Basic Theory*, Wiley–Interscience, 1980. Second Edition, Krieger, Malabar, Fla., 1993, 553 pp.
2. *Spline Functions: Basic Theory*, Third Edition (with supplement), Cambridge University Press, Cambridge, 2007, 600 pp.
3. *Spline Functions on Triangulations*, with M.-J. Lai, Cambridge University Press, Cambridge, 2007, 607 pp.
4. *Spline Functions: Computational Methods*, SIAM (Philadelphia), 2015, 422 pp.

Translated

5. *Approximation of Functions: Theory and Numerical Methods*, a translation of the German edition of G. Meinardus, Springer-Verlag, Heidelberg, 1967, 198 pp.
6. *Numerical Mathematics*, translation of the German edition of G. Hämmerlin and K.-H. Hoffmann, Springer-Verlag, New York, 1991, 435 pp.
7. *Fundamentals of Computer Aided Geometric Design*, translated from the German edition authored by J. Hoschek and D. Lasser, AKPeters, 1993, 720pp.
8. *Finite Elements*, translation of the German edition authored by Dietrich Braess, Cambridge Univ. Press, 1997, 323 pp.

Edited

9. *Approximation Theory I*, edited in cooperation with G. G. Lorentz, E.W. Cheney, and H. Berens, Academic Press, N.Y, 1973, 525 pp.
10. *Approximation Theory II*, edited with G. G. Lorentz and C. K. Chui, Academic Press, N.Y., 1976, 588 pp.
11. *Approximation Theory IV*, edited with C. K. Chui and J. D. Ward, Academic Press, N.Y., 1983, 785 pp.
12. *Approximation Theory V*, edited with C. K. Chui and J. D. Ward, Academic Press, N.Y., 1986, 654 pp.
13. *Topics in Multivariate Approximation*, edited with C. K. Chui and F. Utreras, Academic Press, New York, 1987, 335 pp.
14. *Mathematical Methods in Computer-aided Geometric Design*, edited with T. Lyche, Academic Press, Boston, 1989, 611 pp.
15. *Approximation Theory VI. Part I*, edited with C. K. Chui and J. D. Ward, Academic Press, Boston, 1989, 351 pp.
16. *Approximation Theory VI. Part II*, edited with C. K. Chui and J. D. Ward, Academic Press, Boston, 1989, 348 pp.
17. *Curves and Surfaces*, edited with P.-J. Laurent and A. Le Méhauté, Academic Press, Boston, 1991, 514 pp.
18. *Mathematical Methods in Computer Aided Geometric Design II*, edited with T. Lyche, Academic Press, Boston, 1992, 663 pp.
19. *Numerical Methods of Approximation Theory, Vol. 9*, edited with D. Braess, Birkhäuser, Basel, 1992, 357pp.
20. *Approximation Theory VII*, edited with E. W. Cheney and C. K. Chui, Academic Press, 1992, 261pp.

21. *Recent Advances in Wavelets*, edited with G. F. Webb, Academic Press, 1993, 350 pp.
22. *Curves and Surfaces in Geometric Design*, edited with P.-J. Laurent and A. Le Méhauté, A K Peters, 1994, 499 pp.
23. *Wavelets, Images, and Surface Fitting*, edited with P.-J. Laurent and A. Le Méhauté, A K Peters, 1994, 528 pp.
24. *Mathematical Methods for Curves and Surfaces*, edited with M. Dæhlen and T. Lyche, Vanderbilt University Press, 1995, 576 pp.
25. *Approximation Theory VIII, Vol. 1: Approximation and Interpolation*, edited with C. K. Chui, World Scientific Publishing Co., Singapore, 1995, 581 pp.
26. *Approximation Theory VIII, Vol. 2: Wavelets and Multilevel Approximation*, edited with C. K. Chui, World Scientific Publishing Co., Singapore, 1995, 423 pp.
27. *Curves and Surfaces with Applications in CAGD*, with C. Rabut and A. Le Méhauté, Vanderbilt Univ. Press, 1997, 490 pp.
28. *Surface Fitting and Multiresolution Methods*, with C. Rabut and A. Le Méhauté, Vanderbilt Univ. Press, 1997, 380 pp.
29. *Mathematical Methods for Curves and Surfaces II: Lillehammer 1997*, edited with M. Dæhlen and T. Lyche, Vanderbilt University Press, 1998, 556 pp.
30. *Approximation Theory IX, Vol. 1: Theoretical Aspects*, edited with C. Chui, Vanderbilt University Press, 1998, 354 pp.
31. *Approximation Theory IX, Vol. 2: Computational Aspects*, edited with C. Chui, Vanderbilt University Press, 1998, 392 pp.
32. *Curve and Surface Design: Saint-Malo 99*, edited with Pierre-Jean Laurent and Paul Sablonnière, Vanderbilt University Press, 2000, 441 pp.
33. *Curve and Surface Fitting: Saint-Malo 99*, edited with Albert Cohen and Christophe Rabut, Vanderbilt University Press, 2000, 420 pp.
34. *Mathematical Methods for Curves and Surfaces: Oslo 2000*, edited with T. Lyche, Vanderbilt University Press, 2001, 554 pp.
35. *Approximation Theory X: Abstract and Classical Analysis*, edited with Charles K. Chui and Joachim Stöckler, Vanderbilt University Press, 2002, 402 pp.
36. *Approximation Theory X: Wavelets, Splines, and Applications*, edited with Charles K. Chui and Joachim Stöckler, Vanderbilt University Press, 2002, 504 pp.
37. *Curve and Surface Design: Saint-Malo 2002*, edited with Tom Lyche and Marie-Laurence Mazure, Nashboro Press, 2003, 416 pp.
38. *Curve and Surface Fitting: Saint-Malo 2002*, edited with Albert Cohen and Jean-Louis Merrien, Nashboro Press, 2003, 405 pp.
39. *Approximation Theory XI: Gatlinburg 2004*, edited with Charles Chui and Mike Neamtu, Nashboro Press, 2005, 462 pp.
40. *Mathematical Methods for CAGD: Tromsø 2004*, edited with Morten Daehlen and Knut Morken, Nashboro Press, 2005, 400 pp.
41. *Curve and Surface Design: Avignon 2006*, edited with Patrick Chenin and Tom Lyche, Nashboro Press, 2007, 293 pp.
42. *Curve and Surface Fitting: Avignon 2006*, edited with Albert Cohen and Jean-Louis Merrien, Nashboro Press, 2007, 295 pp.

43. *Approximation Theory XII: San Antonio 2007*, with Marion Neamtu, Nashboro Press, 2008, 443 pp.
44. *Mathematical Methods for Curves and Surfaces: Seventh International Conference, Tonsberg, Norway, June 26 –July 1, 2008*, with M. Daehlen, M. Floater, T. Lyche, J-L. Merrien, and K. Morken, Springer-Verlag, 2010, 443 pp.
45. *Approximation Theory XIII: San Antonio 2010*, with Marion Neamtu, Springer-Verlag, 2011, 415 pp.
46. *Curves and Surfaces, 7th International Conference, Avignon, France, June 24-30, 2010*, with J. Boissonnat, P. Chenin, A. Cohen, C. Gout, T. Lyche, and M. Masure. Springer-Verlag LNCS Vol. 5620, 2012, 820 pp.
47. *Mathematical Methods for Curves and Surfaces: Eighth International Conference, Tonsberg, Norway, June 28 –July 3, 2012*, with M. Daehlen, M. Floater, T. Lyche, M-L. Masure, and K. Morken, Springer-Verlag LNCS Vol. 8177, 2014, 511 pp.
48. *Approximation Theory XIV: San Antonio 2013*, with G. E. Fasshauer, Springer Verlag, 2014, 395 pp.
49. *Eighth International Conference on Curves and Surfaces: June 12 – 18, 2014, Paris*, with Tom Lyche, M. L. Masure, et al, Springer Verlag LNCS Vol. 9213, 2015, 471 pp.