

- Abduganiev, M., Azimov, R., & Muydinov, L. 2023. "Digital Processing Algorithms of Biomedical Signals Using Cubic Base Splines." In *Intelligent Human Computer Interaction*, edited by Zaynidinov, H., Singh, M., Tiwary, U. S., & Singh, D., 18–26. Cham: Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-27199-1_3.
- Abdulhameed, A. F., & Memon, Q. A. 2021. "An Improved Trapezoidal Rule for Numerical Integration." *Journal of Physics: Conference Series* 2090 (1): 012104. <https://doi.org/10.1088/1742-6596/2090/1/012104>.
- Agarwal, R. P., & Wong, P. J. Y. 1993. "Spline Interpolation." In *Error Inequalities in Polynomial Interpolation and Their Applications*, 281–362. Dordrecht: Springer Netherlands. https://doi.org/10.1007/978-94-011-2026-5_6.
- Allen, M. B., & Isaacson, E. L. 2019. "Numerical Integration." In *Numerical Analysis for Applied Science*, 363–401. John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781119245476.ch7>.
- Altham, P. M. E. 1969. "Exact Bayesian Analysis of a 2 x 2 Contingency Table, and Fisher's "Exact" Significance Test." *Journal of the Royal Statistical Society. Series B (Methodological)* 31 (2): 261–69. <http://www.jstor.org/stable/2984209>.
- . 1978. "Two Generalizations of the Binomial Distribution." *Journal of the Royal Statistical Society. Series C (Applied Statistics)* 27 (2): 162–67. <http://www.jstor.org/stable/2346943>.
- Bach, F. 2021. "On the Effectiveness of Richardson Extrapolation in Data Science." *SIAM Journal on Mathematics of Data Science* 3 (4): 1251–77. <https://doi.org/10.1137/21M1397349>.
- Batir, N. 2008. "On Some Properties of the Gamma Function." *Expositiones Mathematicae* 26 (2): 187–96. <https://doi.org/10.1016/j.exmath.2007.10.001>.
- Bickel, P. J., & Yahav, J. A. 1988. "Richardson Extrapolation and the Bootstrap." *Journal of the American Statistical Association* 83 (402): 387–93. <http://www.jstor.org/stable/2288854>.
- Borwein, J. M., & Corless, R. M. 2018. "Gamma and Factorial in the Monthly." *The American Mathematical Monthly* 125 (5): 400–424. <https://www.jstor.org/stable/48663320>.
- Brigola, R. 2025. *Fourier Analysis and Distributions*. 1st ed. Texts in Applied Mathematics. Cham: Springer. <https://doi.org/10.1007/978-3-031-81311-5>.
- Büchter, A., & Henn, H.-W. 2010. "Grenzwerte von Riemann'schen Summen: Das Integral." In *Elementare Analysis: Von Der Anschauung Zur Theorie*, 221–35. Heidelberg: Spektrum Akademischer Verlag. https://doi.org/10.1007/978-3-8274-2680-2_6.
- Bujang, N., Nasir, M. A. S., & Ijam, H. M. 2025. "Numerical Integration of Function Using the Modified Trapezoidal Rule and Mean Averaging Method." *AIP Conference Proceedings* 3338 (1): 040010. <https://doi.org/10.1063/5.0294833>.
- Camilli, G. 1995. "The Relationship Between Fisher's Exact Test and Pearson's Chi-Square Test: A Bayesian Perspective." *Psychometrika* 60 (2). <https://doi.org/10.1007/BF02301418>.
- Cheng, F., & Barsky, B. A. 1991. "Interpolation: Interpolation and Approximation Using Cubic Spline Curves." *Computer-Aided Design* 23 (10): 700–706. [https://doi.org/10.1016/0010-4485\(91\)90023-P](https://doi.org/10.1016/0010-4485(91)90023-P).
- Chiaroni, G., Sparacino, L., Antonacci, Y., Faes, L., & Mesin, L. 2023. "Connectivity Analysis in EEG Data: A Tutorial Review of the State of the Art and Emerging Trends." *Bioengineering (Basel, Switzerland)* 10 (3). <https://doi.org/10.3390/bioengineering10030372>.
- Chung, K. L. 1974. "Poisson and Normal Distributions." In *Elementary Probability Theory with Stochastic Processes*, 192–239. New York, NY: Springer. https://doi.org/10.1007/978-1-4757-3973-2_7.
- Collani, E., & Dräger, K. 2001. *Binomial Distribution Handbook for Scientists and Engineers*. 1st ed. Graduate Texts in Mathematics. Boston, MA: Birkhäuser. <https://doi.org/10.1007/978-1-4612-0215-8>.
- Congedo, M., Özen, C., & Sherlin, L. 2002. "Notes on EEG Resampling by Natural Cubic Spline Interpolation." *Journal of Neurotherapy* 6 (4): 73–80. https://doi.org/10.1300/J184v06n04_08.
- Crow, E. L. 1958. "The Mean Deviation of the Poisson Distribution." *Biometrika* 45 (3/4): 556–59. <http://www.jstor.org/stable/2333201>.
- Davis, P. J. 1959. "Leonhard Euler's Integral: A Historical Profile of the Gamma Function: In Memoriam: Milton Abramowitz." *The American Mathematical Monthly* 66 (10): 849–69. <http://www.jstor.org/stable/2309786>.
- Dubeau, F. 2019. "A Remark on Richardson's Extrapolation Process and Numerical Differentiation Formulae." *Journal of Computational Physics* X 2: 100017. <https://doi.org/10.1016/j.jcp.2019.100017>.
- Epperson, J. F. 2021. "Interpolation and Approximation." In *An Introduction to Numerical Methods and Analysis*, 101–48. John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781119604570.ch4>.
- Farin, G. 1994. "Kubische Spline-Interpolation." In *Kurven Und Flächen Im Computer Aided Geometric Design: Eine Praktische Einführung*, 104–21. Wiesbaden: Vieweg+Teubner Verlag. https://doi.org/10.1007/978-3-663-10602-9_9.
- Finkelstein, D., Malyarenko, A., Mishura, Y., & Ralchenko, K. 2025. "Entropies of the Poisson Distribution as Functions of Intensity: 'Normal' and 'Anomalous' Behavior." *Methodology and Computing in Applied Probability* 27 (2): 45. <https://doi.org/10.1007/s11009-025-10171-9>.
- Forster, O., & Lindemann, F. 2023. "Das Riemannsche Integral." In *Analysis 1: Differential- und Integralrechnung einer Veränderlichen*, 283–302. Wiesbaden: Springer Fachmedien. https://doi.org/10.1007/978-3-658-40130-6_18.
- Fredenhagen, S., Oberle, H. J., & Opfer, G. 1999. "On the Construction of Optimal Monotone Cubic Spline Interpolations." *Journal of Approximation Theory* 96 (2): 182–201. <https://doi.org/10.1006/jath.1998.3247>.
- French, C. C., & Graham, J. B. 1984. "A Critical Review of EEG Coherence Studies of Hemisphere Function." *International Journal of Psychophysiology* 1 (3): 241–54. [https://doi.org/10.1016/0167-8760\(84\)90044-8](https://doi.org/10.1016/0167-8760(84)90044-8).
- García-García, J. I., Fernández Coronado, N. A., Arredondo, E. H., & Imilpán Rivera, I. A. 2022. "The Binomial Distribution: Historical Origin and Evolution of Its Problem Situations." *Mathematics* 10 (15). <https://doi.org/10.3390/math10152680>.
- Gentile, J. E. 2024. *Matrix Algebra: Theory, Computations and Applications in Statistics*. 3rd ed. Springer Texts in Statistics. Cham: Springer. <https://doi.org/10.1007/978-3-031-42144-0>.
- Gerlach, S. 2019. "Programmieren in C." In *Computerphysik: Einführung, Beispiele und Anwendungen*, 31–54. Berlin, Heidelberg: Springer. https://doi.org/10.1007/978-3-662-59246-5_4.
- Gerthsen, C. 1966. *Physik: Ein Lehrbuch Zum Gebrauch Neben Vorlesungen*. Edited by Kneser, H. O. 9th ed. Berlin, Heidelberg: Springer. <https://doi.org/10.1007/978-3-662-30201-9>.
- Goel, S. K., & Rodriguez, D. M. 1987. "A Note on Evaluating Limits Using Riemann Sums." *Mathematics Magazine* 60 (4): 225–28. <http://www.jstor.org/stable/2689344>.
- Gonzalez-Morris, G., & Horton, I. 2024. *Beginning C: From Beginner to Pro*. 7th ed. Berkeley, CA: Apress. <https://doi.org/10.1007/979-8-8688-0149-5>.
- Grafakos, L. 2024. *Fundamentals of Fourier Analysis*. 1st ed. Graduate Texts in Mathematics. Cham: Springer. <https://doi.org/10.1007/978-3-031-56500-7>.
- Grcar, J. F. 2011. "How Ordinary Elimination Became Gaussian Elimination." *Historia Mathematica* 38 (2): 163–218. <https://doi.org/10.1016/j.hm.2010.06.003>.
- Gronwall, T. H. 1918. "The Gamma Function in the Integral Calculus." *Annals of Mathematics* 20 (2): 35–124. <http://www.jstor.org/stable/1967180>.
- Guevara, M., Hernández-González, M., Sanz-Martin, A., & Amezcua, C. 2011. "EEGcorco: A Computer Program to Simultaneously Calculate and Statistically Analyze EEG Coherence and Correlation." *Journal of Biomedical Science and Engineering* 4. <https://doi.org/10.4236/jbise.2011.412096>.
- Guillemin, V. W., & Stroock, D. W. 2008. "Some Riemann Sums Are Better Than Others." In *Representations, Wavelets, and Frames: A Celebration of the Mathematical Work of Lawrence w. Baggett*, edited by Jorgensen, P. E. T., Merrill, K. D., & Packer, J. A., 3–12. Boston, MA: Birkhäuser. https://doi.org/10.1007/978-0-8176-4683-7_1.
- Haight, F. A. 1967. *Handbook of the Poisson Distribution*. Operations Research Society of America. Publications in Operations Research. Wiley. <https://books.google.com/books?id=I8Y-AAAAIAAA>.
- Hassler, U. 2007. "Riemann-Integrale." In *Stochastische Integration und Zeitreihenmodellierung: Eine Einführung mit Anwendungen aus Finanzierung und Ökonometrie*, 137–53. Berlin, Heidelberg: Springer. https://doi.org/10.1007/978-3-540-73568-7_7.
- Herrmann, D. 1983. "Romberg-Integration." In *Numerische Mathematik — 40 BASIC-Programme*, 84–86. Wiesbaden: Vieweg+Teubner Verlag. https://doi.org/10.1007/978-3-322-96321-5_27.
- . 2001. "System-Programmierung (MS-DOS)." In *Effektiv Programmieren in C und C++: Eine aktuelle Einführung mit Beispielen aus Mathematik, Naturwissenschaft und Technik*, 295–318. Wiesbaden: Vieweg+Teubner Verlag. https://doi.org/10.1007/978-3-322-94365-1_16.
- Hershberger, S. L. 2014. "Exact Methods for Categorical Data." In *Wiley StatsRef: Statistics Reference Online*. John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781118445112.stat06165>.
- Izzo, F., Runborg, O., & Tsai, R. 2022. "Corrected Trapezoidal Rules for Singular Implicit Boundary Integrals." *Journal of Computational Physics* 461: 111193. <https://doi.org/10.1016/j.jcp.2022.111193>.
- Jarre, F. 2025. "Cubic Spline Functions Revisited." *arXiv*. <https://doi.org/10.48550/arXiv.2507.05083>.
- . 2026. "Cubic Spline Functions Revisited." *Journal of Computational and Applied Mathematics* 478: 117240. <https://doi.org/10.1016/j.cam.2025.117240>.
- Jetter, K. 1984. "Ein Kurze Anmerkung Zur Romberg-Integration." *Numerische Mathematik* 45 (2). <https://doi.org/10.1007/BF01389471>.
- Jiang, H., & Zhao, Y. 2009. "The Study of Interpolation Algorithm Based on Cubic Spline in Marching Cubes Method." In *2009 Sixth International Conference on Fuzzy Systems and Knowledge Discovery*, 5:80–83. <https://doi.org/10.1109/FSKD.2009.591>.
- Jolicoeur, P. 1999. "The Poisson Distribution." In *Introduction to Biometry*, 124–33. Boston, MA: Springer. https://doi.org/10.1007/978-1-4615-4777-8_19.
- Joyce, P. 2019. *Numerical C: Applied Computational Programming with Case Studies*. 1st ed. Berkeley, CA: Apress. <https://doi.org/10.1007/978-1-4842-5064-8>.
- Kaier, E. 1990. "Referenz Zu MS-DOS." In *Informatik: Referenzbuch. Mit den vollständigen Befehlslisten zu MS-DOS, Turbo Pascal, dBase und Multiplan*, 1–12. Wiesbaden: Vieweg+Teubner Verlag. https://doi.org/10.1007/978-3-322-89035-1_1.
- Karpfinger, C. 2022a. "Calculating with Matrices." In *Calculus and Linear Algebra in Recipes: Terms, Phrases and Numerous Examples in Short Learning Units*, 87–100. Berlin, Heidelberg: Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-662-65458-3_10.
- . 2022b. "L"-Zerlegung Einer Matrix." In *Höhere Mathematik in Rezepten: Begriffe, sätze Und Zahlreiche Beispiele in Kurzen Lerneinheiten*, 107–17. Berlin, Heidelberg: Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-662-63305-2_11.
- Koepf, W. 2014. "The Gamma Function." In *Hypergeometric Summation: An Algorithmic Approach to Summation and Special Function Identities*, 1–10. London: Springer. https://doi.org/10.1007/978-1-4471-6464-7_1.
- Kumar, J. S., & Bhuvanewari, P. 2012. "Analysis of Electroencephalography (EEG) Signals and Its Categorization—a Study." *Procedia Engineering* 38: 2525–36. <https://doi.org/10.1016/j.proeng.2012.06.298>.
- Lewis, J. T., Osgood, C. F., & Shisha, O. 1978. "Infinite Riemann Sums, the Simple Integral, and the Dominated Integral." In *General Inequalities 1 / Allgemeine Ungleichungen 1: Proceedings of the First International Conference on General Inequalities Held in the Mathematical Research Institute at Oberwolfach, Black Forest, May 10–14, 1976 / Abhandlung Zur Ersten Internationalen Tagung über Allgemeine Ungleichungen Im Mathematischen Forschungsinstitut Oberwolfach, Schwarzwald Vom 10. Bis 14. Mai 1976*, edited by Beckenbach, E. F., 233–42. Basel: Birkhäuser. https://doi.org/10.1007/978-3-0348-5563-1_25.
- Luke, Y. L., ed. 1969. "Chapter XV Trapezoidal Rule Integration Formulas." In *The Special Functions and Their Approximations*, 53:214–26. Mathematics in Science and Engineering. Elsevier. [https://doi.org/10.1016/S0076-5392\(09\)60075-8](https://doi.org/10.1016/S0076-5392(09)60075-8).
- Magnus, W., Oberhettinger, F., & Soni, R. P. 1966a. "The Gamma Function and Related Functions." In *Formulas and Theorems for the Special Functions of Mathematical Physics*, 1–37. Berlin, Heidelberg: Springer. https://doi.org/10.1007/978-3-662-11761-3_1.
- . 1966b. "The Hypergeometric Function." In *Formulas and Theorems for the Special Functions of Mathematical Physics*, 37–65. Berlin, Heidelberg: Springer. https://doi.org/10.1007/978-3-662-11761-3_2.
- Meschede, D., ed., Feld, L., Gross, R., Müller, R., Niedner-Schatteburg, G., Schäfer, G., Sokolowski, M., Vewinger, F., Reinhard F., Werner, R. F., & Zohm, H. 2026. *Gerthsen Physik*. 26th ed. Berlin, Heidelberg: Springer Spektrum. <https://doi.org/10.1007/978-3-662-30201-9>.
- Meyberg, K., & Vachenaue, P. 2001a. *Höhere Mathematik 1: Differential- Und Integralrechnung Vektor- Und Matrizenrechnung*. Berlin, Heidelberg: Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-56654-7_4.
- . 2001b. "Integration." In *Höhere Mathematik 1: Differential- Und Integralrechnung Vektor- Und Matrizenrechnung*, 161–211. Berlin, Heidelberg: Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-56654-7_4.
- Micheloyannis, S., Pachou, E., Stam, C. J., Voukas, M., Erimaki, S., & Tsirka, V. 2006. "Using Graph Theoretical Analysis of Multi Channel EEG to Evaluate the Neural Efficiency Hypothesis." *Neuroscience Letters* 402 (3): 273–77. <https://doi.org/10.1016/j.neulet.2006.04.006>.
- Moon, B. S. 2001. "An Explicit Solution for the Cubic Spline Interpolation for Functions of a Single Variable." *Applied Mathematics and Computation* 117 (2): 251–55. [https://doi.org/10.1016/S0096-3003\(99\)00178-2](https://doi.org/10.1016/S0096-3003(99)00178-2).
- Neher, M. 2024. "Numerische Integration." In *Numerische Mathematik: Eine anschauliche modulare Einführung*, 195–222. Berlin, Heidelberg: Springer. https://doi.org/10.1007/978-3-662-68815-1_7.
- Neubauer, A. C., & Fink, A. 2009. "Intelligence and Neural Efficiency." *Neuroscience & Biobehavioral Reviews* 33 (7): 1004–23. <https://doi.org/10.1016/j.neubiorev.2009.04.001>.
- Neubauer, A. C., Fink, A., & Schrausser, D. G. 2002. "Intelligence and Neural Efficiency: The Influence of Task Content and Sex on the Brain-IQ Relationship." *Intelligence* 30 (6): 515–36. [https://doi.org/10.1016/S0160-2896\(02\)00091-0](https://doi.org/10.1016/S0160-2896(02)00091-0).
- Neubauer, A. C., Grabner, R. H., Fink, A., & Neuper, C. 2005. "Intelligence and Neural Efficiency: Further Evidence of the Influence of Task Content and Sex on the Brain-IQ Relationship." *Cognitive Brain Research* 25 (1): 217–25. <https://doi.org/10.1016/j.cogbrainres.2005.05.011>.
- Panitz, C., Ward, R. T., Pouliot, J., & Keil, A. 2024. "EEG and ERP." In *The Cambridge Handbook of Research Methods and Statistics for the Social and Behavioral Sciences: Volume 2: Performing Research*, edited by Edlund, J. E., & Nichols, A. L., 519–44. Cambridge Handbooks in Psychology. Cambridge University Press. <https://doi.org/10.1017/9781009000796.024>.
- Panov, G. 2023. "Quantitative EEG Analysis: Introduction and Basic Principles." In *Computational Neuroscience*, edited by Stoyanov, D., Draganski, B., Brambilla, P., & Lamm, C., 85–91. New York, NY: Springer US. https://doi.org/10.1007/978-1-0716-3230-7_5.
- Perrin, F., Pernier, J., Bernard, O., Giard M. H., & Echallier, J. F. 1987. "Mapping of Scalp Potentials by Surface Spline Interpolation." *Electroencephalography and Clinical Neurophysiology* 66 (1): 75–81. [https://doi.org/10.1016/0013-4694\(87\)90141-6](https://doi.org/10.1016/0013-4694(87)90141-6).
- Philippou, A. N., & Antzoulakos, D. L. 2025. "Binomial Distribution." In *International Encyclopedia of Statistical Science*, edited by Lovric, M., 306–9. Berlin, Heidelberg: Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-662-69359-9_71.
- Rannacher, R. 1987. "Richardson Extrapolation with Finite Elements." In *Numerical Techniques in Continuum Mechanics: Proceedings of the Second GAMM-Seminar, Kiel, January 17 to 19, 1986*, edited by Hackbusch, W., & Witsch, K., 90–101. Wiesbaden: Vieweg+Teubner Verlag. https://doi.org/10.1007/978-3-322-85997-6_9.
- Rao, C. R., & Chakravarti, I. M. 1956. "Some Small Sample Tests of Significance for a Poisson Distribution." *Biometrics* 12 (3): 264–82. <http://www.jstor.org/stable/3001466>.

- Rasch, G. 1931. "Notes on the Gamma-Function." *Annals of Mathematics* 32 (3): 591–99. <http://www.jstor.org/stable/1968254>.
- Roy, V., & Shukla, S. 2017. "Effective EEG Motion Artifacts Elimination Based on Comparative Interpolation Analysis." *Wireless Personal Communications* 97 (4): 6441–51. <https://doi.org/10.1007/s11277-017-4846-3>.
- Rutishauser, H. 1990. "Interpolation." In *Lectures on Numerical Mathematics*, edited by Gutknecht, M., 128–74. Boston, MA: Birkhäuser Boston. https://doi.org/10.1007/978-1-4612-3468-5_6.
- Saff, E. B., & Snider, A. D. 2025. *Matrix Fundamentals: From Equation Solving to Signal Processing*. 2nd ed. Cham: Springer. <https://doi.org/10.1007/978-3-031-97222-5>.
- Sarraz, M. 2008. "Visualization of Shaped Data by Cubic Spline Interpolation." In *Interactive Curve Modeling: With Applications to Computer Graphics, Vision and Image Processing*, 157–72. London: Springer London. https://doi.org/10.1007/978-1-84628-871-5_8.
- Scherer, P. O. J. 2010. "Interpolation." In *Computational Physics: Simulation of Classical and Quantum Systems*, 15–27. Berlin, Heidelberg: Springer. https://doi.org/10.1007/978-3-642-13990-1_2.
- Schrausser, D. G. 2000a. "Spectral and Coherence Analysis: Algorithms." *Method*. ResearchGate. <https://doi.org/10.13140/RG.2.2.28637.90083>.
- . 2000b. "Development of a Parameter to Indicate the Focussation-Level of Cortical Activation." *Method*. ResearchGate. <https://doi.org/10.13140/RG.2.2.32114.17601>.
- . 2009. "ThetaWin Overview." *Software*. Academia. <https://www.academia.edu/81800920>.
- . 2023a. *Schrausser/ConsoleApp_DistributionFunctions: Console applications for distribution functions*. Zenodo. <https://doi.org/10.5281/zenodo.7664141>.
- . 2023b. *Schrausser/ConsoleApp_EEG: 2.0*. Zenodo. <https://doi.org/10.5281/zenodo.10701350>.
- . 2023c. *Schrausser/ConsoleApp_Integral: Console applications for integral and interpolation*. Zenodo. <https://doi.org/10.5281/zenodo.7655056>.
- . 2023d. *Schrausser/ConsoleApp_Matrix: Console applications for matrix calculation and tools*. Zenodo. <https://doi.org/10.5281/zenodo.7655046>.
- . 2023e. *Schrausser/ConsoleApp_String: Console applications for string and transformation*. Zenodo. <https://doi.org/10.5281/zenodo.7653790>.
- . 2023f. *Schrausser/ConsoleApp_Tools: Console tool applications*. Zenodo. <https://doi.org/10.5281/zenodo.7655239>.
- . 2023g. *Schrausser/FunktionWin: Windows Interface for distribution functions*. Zenodo. <https://doi.org/10.5281/zenodo.7651660>.
- . 2023h. *Schrausser/ThetaWin: Distribution simulator*. Zenodo. <https://doi.org/10.5281/zenodo.7659263>.
- . 2024. *Handbook: Distribution Functions (Verteilungs Funktionen)*. PsyArXiv. <https://doi.org/10.31234/osf.io/rvzxa>.
- . 2025a. *HP_prime_MATH: Manual*. 1st ed. <https://doi.org/10.5281/zenodo.15713317>.
- . 2025b. "ThetaWin." *Zenodo Software Documentation* 2025 (11/23): 1. <https://doi.org/10.5281/zenodo.17691241>.
- . 2025c. "Various Programs." *Zenodo Software Documentation* 2025 (11/28): 1. <https://doi.org/10.5281/zenodo.17743756>.
- . 2025d. "FunktionWin: Windows Interface for Distribution Functions." *Zenodo Software Documentation* 2025 (12/10): 1. <https://doi.org/10.5281/zenodo.17880113>.
- Schrausser, D. G., Fink, A., & Neubauer, A. C. 2001. "Intelligence and Neural Efficiency as Determined by EEG-Coherence." In *10th Biennial Meeting of the International Society for the Study of Individual Differences (ISSID)*. Edinburgh, UK: The University of Edinburgh. <https://doi.org/10.5281/zenodo.13738772>.
- Schwarz, H. R. 1997. "Integralberechnung." In *Numerische Mathematik*, 375–411. Wiesbaden: Vieweg+Teubner Verlag. https://doi.org/10.1007/978-3-663-01227-6_8.
- Shores, T. S. 2018. "MATRIX ALGEBRA." In *Applied Linear Algebra and Matrix Analysis*, 65–180. Cham: Springer International Publishing. https://doi.org/10.1007/978-3-319-74748-4_2.
- Shuster, J. J. 2014. "Hypergeometric Distribution: Introduction." In *Wiley StatsRef: Statistics Reference Online*. John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781118445112.stat04869>.
- Sidi, A. 1988. "Generalizations of Richardson Extrapolation with Applications to Numerical Integration." In *Numerical Integration III: Proceedings of the Conference Held at the Mathematisches Forschungsinstitut, Oberwolfach, Nov. 8 – 14, 1987*, edited by Brass, H., & Hämmel, G., 237–50. Basel: Birkhäuser. https://doi.org/10.1007/978-3-0348-6398-8_22.
- . 2003. "The Richardson Extrapolation Process and Its Generalizations." In *Practical Extrapolation Methods: Theory and Applications*, 19–20. Cambridge Monographs on Applied and Computational Mathematics. Cambridge University Press. <https://doi.org/10.1017/CBO9780511546815>.
- Simonton, D. K. 1978. "Independent Discovery in Science and Technology: A Closer Look at the Poisson Distribution." *Social Studies of Science* 8 (4): 521–32. <http://www.jstor.org/stable/284821>.
- Siuly, S., Li, Y., & Zhang, Y. 2017. *EEG Signal Analysis and Classification*. 1st ed. Health Information Science. Cham: Springer. <https://doi.org/10.1007/978-3-319-47653-7>.
- Soufflet, L., Toussaint, M., Luthringer, R., Gresser, J., Minot, R., & Macher, J. P. 1991. "A Statistical Evaluation of the Main Interpolation Methods Applied to 3-Dimensional EEG Mapping." *Electroencephalography and Clinical Neurophysiology* 79 (5): 393–402. [https://doi.org/10.1016/0013-4694\(91\)90204-H](https://doi.org/10.1016/0013-4694(91)90204-H).
- Sprent, P. 2025. "The Fisher Exact Test." In *International Encyclopedia of Statistical Science*, edited by Lovric, M., 961–62. Berlin, Heidelberg: Springer. https://doi.org/10.1007/978-3-662-69359-9_693.
- Sreehari M. 1983. "A Characterization of the Geometric Distribution." *Journal of Applied Probability* 20 (1): 209–12. <http://www.jstor.org/stable/3213738>.
- Sun, M., Lan, L., Zhu C. G., & Lei, F. 2023. "Cubic Spline Interpolation with Optimal End Conditions." *Journal of Computational and Applied Mathematics* 425: 115039. <https://doi.org/10.1016/j.cam.2022.115039>.
- Talay, D., & Tubaro, L. 1990. "Romberg Extrapolations for Numerical Schemes Solving Stochastic Differential Equations." *Structural Safety* 8 (1): 143–50. [https://doi.org/10.1016/0167-4730\(90\)90036-O](https://doi.org/10.1016/0167-4730(90)90036-O).
- Thomopoulos, N. T. 2017. "Geometric." In *Statistical Distributions: Applications and Parameter Estimates*, 127–33. Cham: Springer International Publishing. https://doi.org/10.1007/978-3-319-65112-5_15.
- Torchinsky, A. 2022. *A Modern View of the Riemann Integral*. 1st ed. Lecture Notes in Mathematics. Cham: Springer. <https://doi.org/10.1007/978-3-031-11799-2>.
- Török, C., Hudák, J., Pristaš, V., & Antoni, L. 2025. "Explicit Forms of Interpolating Cubic Splines and Data Smoothing." *Applied Mathematics and Computation* 500: 129411. <https://doi.org/10.1016/j.amc.2025.129411>.
- Truc, J.-P. 2019. "Riemann Sums for Generalized Integrals." *The College Mathematics Journal* 50 (2): pp. 123–132. <https://www.jstor.org/stable/48662056>.
- Tsao, N.-K. 1977. "Newton Interpolation Is Efficient for Approximation of Linear Functionals." *Numerische Mathematik* 29 (1). <https://doi.org/10.1007/BF01389317>.
- Upton, G. J. G. 1992. "Fisher's Exact Test." *Journal of the Royal Statistical Society. Series A (Statistics in Society)* 155 (3): 395–402. <http://www.jstor.org/stable/2982890>.
- Vellaisamy, P., & Punnen, A. P. 2001. "On the Nature of the Binomial Distribution." *Journal of Applied Probability* 38 (1): 36–44. <http://www.jstor.org/stable/3215739>.
- von Petersdorff, T. 1993. "A Short Proof for Romberg Integration." *The American Mathematical Monthly* 100 (8): 783–85. <http://www.jstor.org/stable/2324787>.
- Zhang, H., Zhou, Q.-Q., Chen, H., Hu, X.-Q., Li, W.-G., Bai, Y., Han, J.-X., Wang, Y., Liang, Z.-H., Chen, D., Cong, F.-Y., Yan, J.-Q., & Li, X.-L. 2023. "The Applied Principles of EEG Analysis Methods in Neuroscience and Clinical Neurology." *Military Medical Research* 10 (1). <https://doi.org/10.1186/s40779-023-00502-7>.
- Zhang, Y. 2025. "Poisson Distribution and Its Applications." *Advances in Economics, Management and Political Sciences* 196. <https://doi.org/10.54254/2754-1169/2025.BJ24761>.
- Zijlstra, M. 1983. "Characterizations of the Geometric Distribution by Distributional Properties." *Journal of Applied Probability* 20 (4): 843–50. <https://doi.org/10.2307/3213595>.
- Zou, L., Song, L., Wang, X., Weise, T., Chen, Y., & Zhang, C. 2020. "A New Approach to Newton-Type Polynomial Interpolation with Parameters." *Mathematical Problems in Engineering* 2020 (1): 9020541. <https://doi.org/10.1155/2020/9020541>.