

Name of Books for the Qualification Exams

Calculus

Dawkins, P. (2007). Calculus

[CALCULUS-I-Paul-Dawkins-.pdf](#)

Linear Algebra

Mirsky, L. (2012). An introduction to linear algebra. Courier Corporation.

[An Introduction to Linear Algebra - L. Mirsky - Google Books](#)

Probability

Gut, Allan, and Allan Gut. Probability: a graduate course. Vol. 200. No. 5. New York: Springer, 2006.

<https://doi.org/10.1007/978-1-4614-4708-5>

Real analysis

Royden, H., & Fitzpatrick, P. M. (2010). *Real analysis*. China Machine Press.

[Real analysis](#)

Numerical analysis

Burden, R. L., & Faires, J. D. (2010). Numerical analysis.

<https://dlib.hcmue.edu.vn/handle/SPHCM/23925>

Differential equations

Agarwal, R. P., & O'Regan, D. (2008). *An introduction to ordinary differential equations* (p. 322).

New York: Springer. [An Introduction to Ordinary Differential Equations | SpringerLink](#)

Complex analysis

Agarwal, R. P., Perera, K., & Pinelas, S. (2011). *An introduction to complex analysis*. Springer Science & Business Media.

[An Introduction to Complex Analysis - Ravi P. Agarwal, Kanishka Perera, Sandra Pinelas - Google Books](#)

Abstract algebra

Robinson, D. J. (2003). *An introduction to abstract algebra*. Walter de Gruyter. Robinson, Derek J. S.. "Backmatter". *An Introduction to Abstract Algebra*, Berlin, New York: De Gruyter, 2003,

pp. 267-282. <https://doi.org/10.1515/9783110198164.bm>

Mathematics Education

Ferrini-Mundy, J. (2000). Principles and standards for school mathematics: A guide for mathematicians. *Notices of the American Mathematical Society*, 47(8).
[Principles and Standards for School Mathematics: A Guide for Mathematicians, Volume 47, Number 8](#)