



MINI-SCHOOL

NITheCS

National Institute for
Theoretical and Computational Sciences

From Notes to Articles: Writing with LaTeX and Mathpix

Dr Ali Raza (Stellenbosch University)

Attend four online lectures:

Wednesday 8, 15, 22 & 29 October 2025 | 14h00-15h00 SAST

ABSTRACT

This Mini-school introduces practical techniques for academic writing using LaTeX, covering mostly from preparing lecture notes to writing research articles and their core components. We will use generative AI to improve LaTeX code. We will demonstrate how to write large equations from Mathematica and Maple in the easiest possible way in LaTeX, along with adding figures. The writing sessions will cover symbols, parameters, mathematical graphs and chemical equations, including those used in mathematics, physics, and chemistry, respectively. This Mini-school will be fully conversational and practical. No prior LaTeX knowledge is required.

BIOGRAPHY

Dr Ali Raza obtained his PhD from the Abdus Salam School of Mathematical Sciences, Government College University (GCU) Lahore, Pakistan, in 2023. He taught and conducted research at the Lahore School of Economics for two years before being awarded a postdoctoral fellowship at Stellenbosch University, which he commenced on 1 August 2025.



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