

LC Mathematics for Physicists 1A

MSci Physics w/ Particle Physics and Cosmology
University of Birmingham

Year 1, Semester 1
Ash Stewart

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Mon 20 Oct 2025 12:00

Lecture 10 - More Algebraic Methods

Goal:

$$\text{Show That: } \lim_{\theta \rightarrow \infty} \frac{\sin \theta}{\theta} = 1$$

As this result is needed to prove the derivative of $\sin \theta$