



## Colloquium Series



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## Animating Analysis with Manim

**Abstract:** Manim is a Python package originally developed by Grant Sanderson for his 3Blue1Brown YouTube channel (<https://www.3blue1brown.com/>), which is now maintained as a free open-source package by the Manim community. Over the past two years, I have slowly been learning about this package and using it to develop a small set of videos and animations for Real Analysis. Ultimately, these animations would be included in an online multi-media textbook for use in my Real Analysis class. In this short talk, I'll present the basics of the package as well as numerous lessons I've learned about how I've been using it and other related software effectively.

**Keywords:** Manim, Python, Real Analysis.

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