



Departmental Colloquium

Professor John Nolan
Department of Mathematics and Statistics
American University, Washington DC
February 21st, 2024, 3:00 PM, Knot Hall 309
Zoom link <https://loyola.zoom.us/j/81524803402>

Meeting ID: 815 2480 3402
Passcode: mathstat

Computing with and on shapes



Abstract

How does one work with shapes inside a computer? Why would one want to work with shapes? We will explain why such questions come up in probability theory, and outline an approach to defining classes of geometric shapes. Then we will describe some computations we can do with such shapes - shifts and rotations, joining, intersecting. And then computations we can do on these shapes - integration, random sampling, and directional histograms.

The talk will be accessible to students.

RSVP : <https://cglink.me/2hL/r2139536>

Refreshments will be served.

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