

SUMS PRESENTS

Mathematical Lightning Talks

A student-run series of talks, held each month with the purpose of providing quick introductions to mathematical concepts or topics.

Attendance is open to any and all students, with any level of mathematical background. We also hold raffles for math-related books and provide light refreshments!

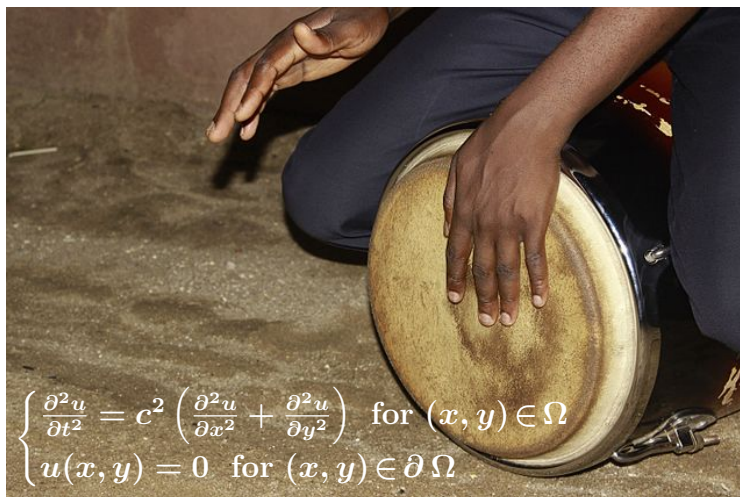
This Friday's Topic

Vibrations on a Drumhead

In this talk, we will discuss the problem of vibrations on a drumhead. Specifically, we derive the Bessel's function, which is a solution to a second-order, linear, ordinary differential equation, and use it for solving the wave equation for vibrations on a drumhead.

Suggested background: Basic linear algebra, multivariable calculus and differential equations will be useful. However, students of all backgrounds are, as always, most welcome to attend!

Friday, April 28th
5PM – 6PM, AP&M 7421



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