

Please join us for the Applied Math Seminar.

When: Friday, March 5, DON 2159, noon

Where: DON 2159

Speaker: Tanzid Sultan (Math Major)

Title: Mercury's orbit around the sun

Tanzid will talk about the precession of planetary orbits around a static spherical mass distribution. He will use the Schwarzschild spacetime metric to show that planetary orbits around a non-rotating spherical mass are different from what one expects based on Newton's gravity model. He will end with a simple calculation to show the precession of mercury's orbit around the sun, which is actually one of the most famous tests of general relativity.

The talk will assume knowledge of calculus and physics at the level of MAT 253 and PHY 202.

