

Physics Department Seminar

Friday April 18th, 2014

3:00pm in Physical Science 105

“Earth's Magnetic Field”



Mr. Daniel Lund

Physics Major

CSU Chico Department of Physics

Abstract:

Earth's magnetic field can be measured by rotating a coil of wire and measuring the voltage induced at the ends of the coil. This is a great experiment to do in an introductory physics class, as it introduces Faraday's law while drawing attention to our magnetic planet. I will present some theories about how this field is sustained, discuss my work developing a more refined apparatus for this experiment, and explain a couple applications of geomagnetic field monitoring.

