

[Mood, Message, Music, Mr. Rogers, and the Biot-Savart Law](#) by **William Segal**, St. Albans School

[Get Real! Use of Appropriate Values in Physics Teaching](#) by **Robert Morse**, St. Albans School

[Two Problem Based Learning Laboratory Experiences](#) by **Harold Geller**, George Mason University

[A Simple Approach to Gravitational Orbits](#) by **Carl Mungan**, U.S. Naval Academy

[Freedom and Constraint in the Life of Lise Meitner](#) by **Rachele Dominguez**, Randolph-Macon College

[Physics Homework: How to Get the Best of Both Online and Written Homework](#) by **Pascal Renault**, John Tyler Community College

[Producing a Massive Open Online Course for AP Physics C](#) by **Dedra Demaree**, Georgetown University

[Mathematica and Google Sheets Calculate Expected Altitudes of Model Rocket Flight](#) by **Richard Kahler**, St. Margaret's School

Let's Catch a Wave! by **Abigail Ballowe and Joe Ashley**, Radford University

[Atmospheric Muons: Lifetime, Flux Intensity, Time Dilation, and the Vacuum Value of the Higgs Field](#) by **Hannah Glaser and Roberto Rivas**, Northern Virginia Community College

An Investigation of the Lift and Thrust/Drag Performance of an Electrodynamical Wheel as a Function of the Rotor-Track Slip Velocity by **Vincent Cordrey and Angel Gutarra**, Northern Virginia Community College

[College Propulsion and Levitation of a Large Electrodynamical Wheel: The Effect of its Dipole Number, Radius, and the Track Parameters](#) by **Amanuel Eshete, Nathan Gaul, and Mohammed Jamal**, Northern Virginia Community College

High-Speed, Dense Field Electrodynamical Wheel Demo by **Vincent Cordrey and Angel Gutarra**, Northern Virginia Community College