



**Chesapeake Section of the  
American Association of Physics Teachers  
Fall 2021 Virtual Meeting**

Contribution ID: 12

Type: **Demo**

## **DC motor**

*Saturday, October 23, 2021 3:50 PM (5 minutes)*

I built a simple DC motor to show how direct current can be used to create an electromagnet that has the ability to alternate the direction of the magnetic field in order to continuously rotate. I will also show that this changing magnetic field can be picked up by a guitar. The demo will show how to change the rotational speed of the motor along with the direction of rotation.

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**Session Classification:** Demo Share-a-thon