



Welcome, **Guest**. Please login or register.

 Forever

Login with username, password and session length

News:

Happy holidays let's make 2015 awesome. Oil sucks wind blows.

[Home](#) [Help](#) [Search](#) [Members](#) [Login](#) [Register](#)

Fieldlines.com: The Otherpower discussion board » Homebrewed Electricity » Wind » Coil shape for axial flux generator

[« previous](#) [next »](#)

Pages: [1] 2 3

[PRINT](#)

 **Author**

Topic: Coil shape for axial flux generator (Read 24608 times)

0 Members and 1 Guest are viewing this topic.

Michal

Newbie



Posts: 9

Country: 

 **Coil shape for axial flux generator**

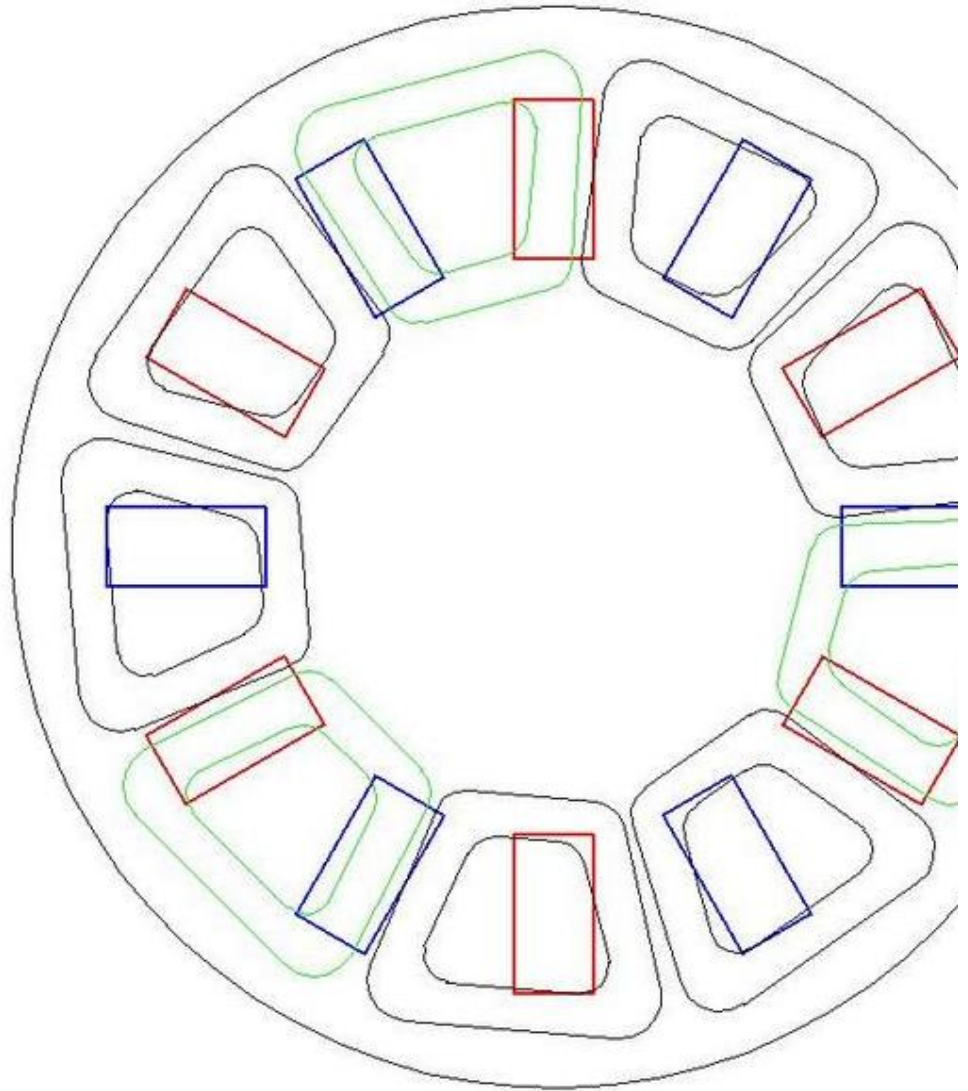
« **on:** February 25, 2012, 10:52:10 AM »

Hello everyone,

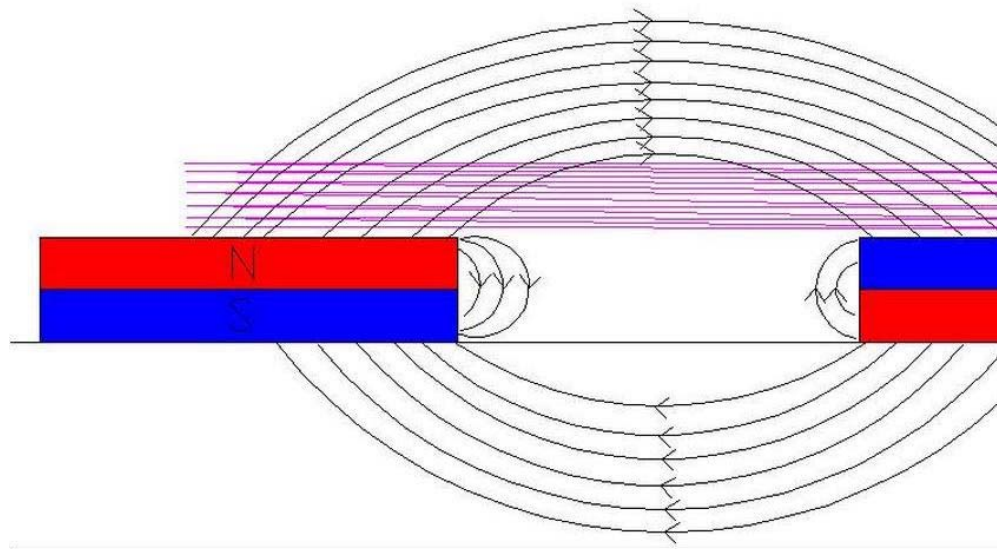
I'm in the process of making an axial flux generator for my VAWT , but find it difficult to digest all the information available on various websites. I'd like to know what is the best shape of coils, depending on the configuration of magnets.

The information I found on different forums is sometimes confusing and since I'm not an expert I hope someone here will help me to get my head around it. I understand that for a single disc configuration (like the one below for example) the coil should be big enough, so that the coil legs pass over two magnets and cut thru the flux lines.

Plan view



Section



My problem is that I want an axial flux generator with two discs of magnets, yet found information on some website that the coil shape should be the same for this case also.
 As the direction of magnetic field would be different on two sides of coil, would the the generated currents not cancel each other?

