Subject: Re: How is this possible?
Posted by Dean Kukral on Sun, 21 Mar 2004 04:29:25 GMT
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If I remember my physics [and it has been a long time :( ], I don't think that "Inductors are coils," is quite true. ("Coils are inductors," is correct.) Any time current flows into a wire, a magnetic field develops around the wire. The only difference between a straight wire and a curved wire is that the curved wire concentrates the magnetic field and provides mutual self-inductance to the wires which are now side by side. That is why I said that I don't see how a changing current in a wire (or whatever they use?) can be a purely resistive load. Perhaps the inductance is considered negligible compared to that of a voice coil.