Subject: Re: Why phase reversal Hornresp
Posted by Wayne Parham on Mon, 12 Dec 2005 15:02:06 GMT
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Phase is relative, and the reference is a purely resistive impedance. Reactive impedances either lead or follow that in motion as a force is applied. Think about a swing. You can push exactly at the moment that the most force will be transferred, which is just after the time when the swing comes nearest to you. You are pushing as the swing goes away. You can push way too soon, in which case you are really pushing against the swing, slowing it down. You can push way too late, in which case you aren't doing any good. You can even push so late that you are slowing the swing, providing a force counter to the swing's motion. Each of these times can be described as phase, a number of degrees before the swing reaches you or after. A full cycle is 360°, and a half cycle is 180°. When the swing reaches it's lowest point, you can say it is 90° after the point it's nearest you or 90° ahead of the point where it's furthest from you. It's all just ways of describing relative positions.