Subject: Re: Can a notch filter improve phase lag?
Posted by roncla on Thu, 01 Apr 2004 15:22:57 GMT
View Forum Message <> Reply to Message

Yea , i know what you mean Martin. TC and i have crossed swords several times.Just because you can sell something dosent mean its the best that can be done ie: B**e. I use the basic old math and physics in my horns ,but i have learned to design for a given set of conditions so a universal horn IMHO is not really possible. Actually one of the best i have designed and built was the Fe-103e horns that was very little more than a TQWT (conical flare) with a rapid expansion at the mouth, the mouth being designed for 1/4 loading (wall/floor). Not the most efficent but by far the cleanest bass i have made yet.Simple to build also.I actually had one guy get angry and claimed "it was some kinda trick" with the amount and clarity of the LF coming from such a weird design and with such a small (4") driver.Imaged like crazy too.ron

Subject: Re: Can a notch filter improve phase lag?
Posted by akhilesh on Thu, 01 Apr 2004 16:03:24 GMT
View Forum Message <> Reply to Message

HI Roncla,The project you describe sounds very interesting. Could you point us to a website that describes the project? Also, if we were to adapt the design for another similar driver, maybe you could give some poinbters on how to do that. thanx!-akhilesh

Subject: Re: Can a notch filter improve phase lag?
Posted by roncla on Thu, 01 Apr 2004 16:20:35 GMT
View Forum Message <> Reply to Message

Well its basically my design and as i have no website (too lazy) i really cant point you in a direction. I have today sent Jim an alternative to my complicated design, i call it the hedlund in a box which is a true horn and has an exponential/hyperbolic flare around M=.6. It was designed for the Fe-166e driver but i may be able to convert the basic design to the 206e.Send me an e-mail at roncla AT txucom.net and i will see what i have in my files for the 103e horn.ron