Subject: Can a notch filter improve phase lag?
Posted by akhilesh on Wed, 31 Mar 2004 18:26:38 GMT
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HI Everyone, Here is a speculative argument as to why a notch filter may improve phase shift. in a BR box, the bass frequencies will come from the vent, and there is a phase lag. A notch filter will add afurhter phase lag. THe difference in ear-driver and ear-vent distances will also come into play. If the former is more, then it will lead to phase lead for the bass. In some cases, the combination of the factors that cause phase lag (box & notch filter) and phase lead (distance difference) can mayeb cancel each other out. In other cases, if the ear-driver distance is smaller enough, it may lead to a 360 degree phase lag, whioch may lead to a better integration of the music. What do you all think?-akhilesh