

Re: Focused sound

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Mok-Kong Shen wrote:

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> *Dmitri Vikawtsky wrote:*

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>> *Sound is nothing more than a wave, while you can "reflect" it with
>> some material, you can make orientation-shaped 'sound-mirrors', like
>> mirrors used in your torch, where a parabola mirror direct light beam.*

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>> *These mirrors intended to give a unique orientation are just given a
>> parabola shape.*

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> *Do you happen to have an explanation why the firm concerned
> does it in another, apparently much more complicated, way?
> Thanks.*

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> *M. K. Shen*

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Indeed, I forget a detail about sound :) That wave is a particles wave, while light is an electro-magnetic one. The point here is that 'perfect' mirrors for sound are kinda impossible at a pocket-torch size. Sound are for now well-reflected by walls of about 1 or 3m width. In other words, all is, even a bit, 'transluent' to sound. So, if you try to make a light-director with translucent paper, you'll have to put several papers in a complex way in order to achieve the best directing.