Subject: Re: sensitivity: conversion of units
Posted by Earl Geddes on Wed, 08 Jun 2005 16:49:52 GMT
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I can tell you how, but I don't have time to work out the details.The % times the input watts tells you the watts radiated as sound. At one meter these watts would cover an area of 4/3 PI R^3. The radiated watts are "proportional to" Pressure^2/unit area, with the area of the spher as noted. So multiply the radiated watts by the area of a sphear at 1 meter and you have pressure^2 (within some constants). From this you can get the dB with a log and some more constants. You can look up the constants.