
Subject: Attempt

Posted by [Mike.e](#) on Wed, 25 Aug 2004 03:54:50 GMT

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Basically you'll notice- Home theatre subs are inefficient. Small box subs are inefficient too. Larger drivers tend to be more efficient. Lower Qts drivers are more efficient. Prosound 12"s and 15"s are efficient, they have higher Fs, Mid Q, and larger box requirements. Efficient cone drivers are often Low Qts high BL (ie powerful and in control) full range units with added HF efforts. II) Mid-Band, Reference Efficiency (%) (Infinite Baffle Mounting Assumed) [n0] =
$$\frac{[p0] \cdot [Bl]^2}{2 \cdot [\pi] \cdot [c] \cdot ([Sd]^2 \cdot [Re] \cdot [M_{as}]^2)} = \frac{4 \cdot ([\pi]^2 \cdot [f_s]^3 \cdot [V_{as}])}{([c]^3 \cdot [Q_{es}])}$$
 You'll notice it's $f_s^3 \cdot v_{as}$. Equations at the link
Is there a mathematical correlation to η and sensitivity?
