



Useful Acoustic Reference Data

Addition of Decibels:

Decibels are logarithmic values and cannot be added by normal algebraic addition. The following is a simple method for adding decibels:

When two decibel readings differ by:

0 - 1

2 - 3

4 - 8

9 and over

add the following to the higher decibel reading.

3 dB

2 dB

1 dB

0 dB

So: $10 \text{ dB} + 10 \text{ dB} = 13 \text{ dB}$

When adding more than two values, continue to pair two values until one remains:

For example:

