

**ambcalc** is a Perl program that calculates various factors relating to Ambisonic files.

**(45, -45)**

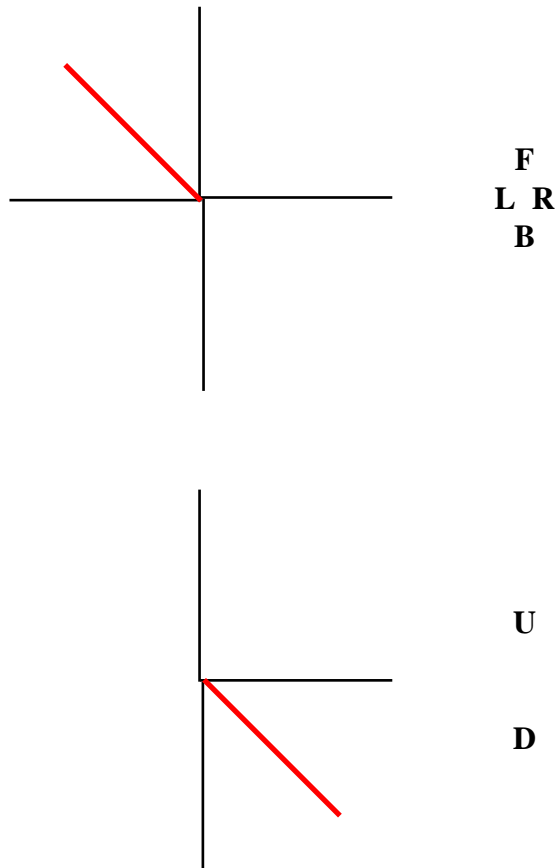
*This is an early release for comments, the equations need checking and re-checking line-by-line. Do use. Do enjoy. But do check for any usage that is critical! — Bug reports are more than welcome: [ambsuite@mchapman.com](mailto:ambsuite@mchapman.com) .*

Your request was for:

$$\text{angle} = a = \theta = 45 \text{ degrees}$$

$$\text{elevation} = e (= b) = \phi = -45 \text{ degrees}$$

channel	value ( dB )
W	-3.01
X	-6.02
Y	-6.02
Z	<i>-3.01</i>
R	-12.041
S	<i>-3.01</i>
T	<i>-3.01</i>
U	silence
V	-6.02
K	<i>-15.051</i>
L	-5.277
M	-5.277
N	<i>silence</i>
O	<i>-0.737</i>
P	<i>-12.041</i>
Q	-12.041



Tracks in *blue italic* are inverted relative to W.

**ambcalc** is part of the **ambsuite** collection of software ©2007 Michael Chapman, see program files for details. *Ambisonics* is a registered trademark of Nimbus Communications International.

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