

Breedsma Sphere
for Chris Otto

The 4-note chord:

375 Hz
225 Hz
210 Hz
121 Hz

The six internal intervals of the chord, as points in space based on their prime exponent notation, are:

$210/121 =$	$210/121 =$	1 1 1 1 -2
$225/121 =$	$225/121 =$	0 2 2 0 -2
$375/121 =$	$375/121 =$	0 1 3 0 -2
$225/210 =$	$15/14 =$	-1 1 1 -1 0
$375/210 =$	$25/14 =$	-1 0 2 -1 0
$375/225 =$	$5/3 =$	0 -1 1 0 0

The interval $2400/2401 =$ 5 1 2 -4 0

is the closest equidistant point to all the chord's intervals in 5-dimensional space.