

# Cycle Parameters Explained

The following chart summarizes all relevant parameters related to a "perfect" sinewave cycle:

[PerfectCycle.jpg](#)

## What is Frequency?

Frequency is the number of times a specified event occurs within a specified time interval.

Example: 5 cycles in 1 second = 5 Hz

1 cycle in 16 days = 0.0625 cycles/day = 723 nHz

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## What is Strength?

Strength is the relative amplitude of a given cycle per time interval. ("amplitude per bar").

Example:

$A = 213$  ,  $d = 16$ ,  $s = 13.2$  per d

Read more on Cycle Strength in how to "Rank" cycles [here](#).

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## What is Bartels Score?

The Bartels score provides a direct measure of the likelihood that a given cycle is genuine and not random. It measures the stability of the amplitude and phase of each cycle.

Formula:

$B \text{ score } \% = (1 - \text{Bartels Value}) * 100$

Range:

0 % : cycle influenced by random events, not significant

100 %: cycle is significant / genuine

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Read more on how to validate cycles with the Bartels score [here](#)

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