

Description

Dither & NS Benchmark Tool is a website designed to provide the results of applying dither and/or noise shaping to low-level signals.

Note: This is the lite version of the tool optimized for mobile devices usage. For the full version, please access from PC.

Tests were performed on two signals:

1) Sine: 997Hz, 2LSB (Least Significant Bit) sinusoidal signal, peak level at 44.1kHz/24-bit.

2) Instrument: -86dBFS RMS instrument signal at 44.1kHz/24-bit.

Both signals were converted from 24-bit to 16-bit depth through dithering and/or noise shaping processing, using the plugins or DAWs indicated in each case.

Except for the gain application (post-processed signal), no other processes, effects, or signal alterations were included in the measurement.

The plugins and DAWs used, along with their corresponding versions, are listed below:

Izotope Ozone	v11 2.0.3296
FabFilter Pro L2	2.21
Waves L2	14.12.90.381
ProTools Maxim/Dither	2024.10.0
Reaper	7.34
Ableton Live	11.3.13

Both this page and the results presented herein are ***for educational purposes only***. It has no commercial purpose, directly or indirectly, ***nor does it constitute any endorsement or recommendation of brands and/or models***.

It was developed by Pablo Panitta under Soundins and may be used as long as it is not for commercial use.

Suggestions and recommendations: <mailto:soundinsds@gmail.com>