

DEMO 1: OM EXperiment Platform

This demo shows two real-time experiments running a pupillometry experiment with adaptive speech reception threshold test, and a progressive cognitive matrix test.

The goal of OMEXP is to streamline psychoacoustic, hearing, and cognitive experiments conceptualization and implementation. The platform provides rigid control on experimental parameters yet allows for the flexibility to run custom python programs.

You can find our peer-reviewed paper documenting the validation of the platform in a 3AFC amplitude modulation detection test. A fully open version is accessible on github and pip.

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Streamlining experiment design in cognitive hearing science using OpenSesame

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