

Resource Summary Report

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Psychophysics Toolbox

RRID:SCR_002881

Type: Tool

Proper Citation

Psychophysics Toolbox (RRID:SCR_002881)

Resource Information

URL: <http://psychtoolbox.org/>

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Description: A free set of Matlab and GNU/Octave functions for vision research. It makes it easy to synthesize and show accurately controlled visual and auditory stimuli and interact with the observer.

Abbreviations: PTB, PTB-3, PTB-2

Synonyms: Psychtoolbox, Psychtoolbox-3

Resource Type: software resource, software toolkit

Keywords: matlab, gnu/octave, vision, visual, auditory, stimuli, mac osx, linux, windows

Availability: Free, Freely available, Available for download

Resource Name: Psychophysics Toolbox

Resource ID: SCR_002881

Alternate IDs: rid_000041

License: MIT License

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260829T183051+0000

Ratings and Alerts

No rating or validation information has been found for Psychophysics Toolbox.

No alerts have been found for Psychophysics Toolbox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1139 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Zhang S, et al. (2026) Self-allocation bias in performance-based cooperative decisions is driven by self-interest rather than distorted performance encoding. PLoS biology, 24(3), e3003694.

Horien C, et al. (2026) Optimizing functional connectivity scanning conditions for predicting autistic traits. Nature. Mental health, 4(5), 792.

Liao R, et al. (2026) Efficiency Recalibrates Social-Emotional Trade-Offs Behind Partner Choice in Direct Reciprocity through Intention-Specific Neural Bases. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(5), e16509.

Bausch M, et al. (2026) Distinct neuronal populations in the human brain combine content and context. Nature, 650(8102), 690.

Gninenko N, et al. (2026) Altered parietal multisensory integration in chronic tinnitus during closed-loop real-time fMRI auditory downregulation. NeuroImage. Clinical, 49, 103960.

Veliks V, et al. (2026) Processing of different word list lengths during encoding and retrieval in Broca's area. Frontiers in human neuroscience, 20, 1757160.

Sheriff A, et al. (2026) Theta oscillations are an organizational unit of odor processing in the olfactory bulb. Science advances, 12(27), eade1002.

Zhao Y, et al. (2026) Domain-General Neural Effects of Associative Learning and Expectations on Pain and Hedonic Taste Perception. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(3).

Kornfeld-Sylla SS, et al. (2026) A human electrophysiological signature of Fragile X pathophysiology is shared in V1 of Fmr1-/- mice. Nature communications, 17(1), 1497.

Zheng Y, et al. (2026) Multidimensional dynamic characterization and decoding of finger movements using magnetoencephalography. Imaging neuroscience (Cambridge, Mass.), 4.

Kuroda N, et al. (2026) Bayesian causal inference reveals declined proprioception, increased integration bias underlie older adults' stronger visual bias in hand position perception. Scientific reports, 16(1).

Longo MR, et al. (2026) Precise tactile localization on tools in two dimensions. *iScience*, 29(6), 115964.

García-Pérez MA, et al. (2026) Psychometric functions for temporal discrimination: Duration or log duration? *Behavior research methods*, 58(7).

Burke R, et al. (2026) Modulation of Non-Rhythmic Temporal Prediction by Subthalamic Nucleus Deep Brain Stimulation (STN-DBS) in Parkinson's Disease. *Movement disorders : official journal of the Movement Disorder Society*.

Sharma P, et al. (2026) Sequential sampling from memory underlies perceptual decisions unyoked from actions. *bioRxiv : the preprint server for biology*.

Fritsch M, et al. (2026) Ischemic lesions to the inferior frontal cortex slow perceptual switching. *iScience*, 29(3), 114943.

Gu L, et al. (2026) Functional Specialization of the Visual Word Form Area During Word Reading: A Multimodal Neuroimaging Study. *Neurobiology of language (Cambridge, Mass.)*, 7.

Zhang M, et al. (2026) An fMRI dataset of verbalized spontaneous thought with annotated transcripts and self-report trait measures. *bioRxiv : the preprint server for biology*.

Li VJ, et al. (2026) Parallel Morphological and Functional Development in the Xenopus Retinotectal System. *Developmental neurobiology*, 86(1), e70007.

Hageter J, et al. (2026) A multicellular analysis calcium imaging toolbox for ImageJ. *Cell reports methods*, 6(2), 101298.