

# 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/>

**Proper Citation:** Psychophysics Toolbox (RRID:SCR\_002881)

**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:** 20260801T191042+0000

### Ratings and Alerts

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

No alerts have been found for Psychophysics Toolbox.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1045 mentions in open access literature.

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

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

Drew A, et al. (2026) Binocular Rivalry: Evaluating the Role of Theta Power as a Neural Index of Conflict. *The European journal of neuroscience*, 63(1), e70372.

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*.

Mills KM, et al. (2026) Multisensory integration for active mechanosensation in Drosophila flight. *Current biology : CB*, 36(1), 93.

Supple JA, et al. (2026) Species-specific spectral tuning of motion vision in butterflies. *Current biology : CB*, 36(2), 290.

Croke H, et al. (2026) Drosophila DNp03 descending neurons serve as a hub within a flight saccade network. *Current biology : CB*, 36(1), 133.

Alvarez I, et al. (2025) Characterizing Human Disparity Tuning Properties Using Population Receptive Field Mapping. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(12), e0795242025.

Zheng S, et al. (2025) Temporal Interference Stimulation Boosts Working Memory Performance in the Frontoparietal Network. *Human brain mapping*, 46(3), e70160.

daSilva Morgan K, et al. (2025) Visual cortical activity in Charles Bonnet syndrome: testing the deafferentation hypothesis. *Journal of neurology*, 272(3), 199.

Ge W, et al. (2025) Dissociable ventral and dorsal sensorimotor functional circuits linking the hypomanic personality traits to aggression via behavioral inhibition system. *International journal of clinical and health psychology : IJCHP*, 25(1), 100537.

Malladi SN, et al. (2025) Decreased scene-selective activity within the posterior intraparietal cortex in amblyopic adults. *Frontiers in neuroscience*, 19, 1527148.

Hohn VD, et al. (2025) Neurofeedback and attention modulate somatosensory alpha oscillations but not pain perception. *PLoS biology*, 23(1), e3002972.

Ninghetto M, et al. (2025) Cortical response to transient and long-term visual field loss. *Cerebral cortex* (New York, N.Y. : 1991), 35(8).

Su H, et al. (2025) Neural dynamics of spontaneous memory recall and future thinking in the continuous flow of thoughts. *Nature communications*, 16(1), 6433.

Zhang H, et al. (2025) Decision-making efficiency with aided information: the impact of automation reliability and task difficulty. *Cognitive research: principles and implications*, 10(1), 44.

Qian L, et al. (2025) The dynamics of stimulus selection in the nucleus isthmi pars magnocellularis of avian midbrain network. *Scientific reports*, 15(1), 18260.

Ellis CT, et al. (2025) Movies reveal the fine-grained organization of infant visual cortex. *eLife*, 12.

Leach D, et al. (2025) Reduced learning rates but successful learning of a coordinated rhythmic movement by older adults. *Quarterly journal of experimental psychology* (2006), 78(3), 498.

Baier F, et al. (2025) The neural basis of species-specific defensive behaviour in *Peromyscus* mice. *Nature*, 645(8080), 439.

Bracco M, et al. (2025) Protocol to assess changes in brain network resistance to perturbation during offline processing using TMS-EEG. *STAR protocols*, 6(1), 103622.