

# Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

## Palamedes Toolbox

RRID:SCR\_006521

Type: Tool

### Proper Citation

Palamedes Toolbox (RRID:SCR\_006521)

### Resource Information

**URL:** <http://www.palamedestoolbox.org/>

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**Description:** Matlab routines for analyzing psychophysical data \* sychometric function fitting \* Multi-condition model fitting \* Adaptive procedures \* Signal detection measures \* Maximum likelihood difference scaling \* Model comparisons

**Abbreviations:** Palamedes

**Resource Type:** data analysis software, data processing software, software application, software resource, software toolkit

**Keywords:** matlab, psychophysical

**Availability:** Acknowledgement requested, Free, Non-commercial

**Resource Name:** Palamedes Toolbox

**Resource ID:** SCR\_006521

**Alternate IDs:** rid\_000040

**Record Creation Time:** 20220129T080236+0000

**Record Last Update:** 20260905T132555+0000

### Ratings and Alerts

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

No alerts have been found for Palamedes Toolbox.

### Data and Source Information

## Usage and Citation Metrics

We found 56 mentions in open access literature.

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

Yang J, et al. (2026) Short-Term Perceptual Training Modulates Neural Responses to Deepfake Speech But Does Not Improve Behavioral Discrimination. *eNeuro*, 13(3).

Forster C, et al. (2025) Pre-stimulus beta power mediates explicit and implicit perceptual biases in distinct cortical areas. *Communications psychology*, 3(1), 93.

Tünçok E, et al. (2025) Spatial attention selectively alters visual cortical representation during target anticipation. *Nature communications*, 16(1), 8746.

Srinath R, et al. (2025) Orthogonal neural representations support perceptual judgments of natural stimuli. *Scientific reports*, 15(1), 5316.

Srinath R, et al. (2024) Orthogonal neural representations support perceptual judgements of natural stimuli. *bioRxiv : the preprint server for biology*.

Baldwin AS, et al. (2024) Stereo-anomaly is found more frequently in tasks that require discrimination between depths. *iScience*, 27(6), 109879.

Tünçok E, et al. (2024) Spatial attention alters visual cortical representation during target anticipation. *bioRxiv : the preprint server for biology*.

Lee HH, et al. (2024) Adaptation and exogenous attention interact in the early visual cortex: A TMS study. *iScience*, 27(11), 111155.

Deflorio D, et al. (2023) Skin properties and afferent density in the deterioration of tactile spatial acuity with age. *The Journal of physiology*, 601(3), 517.

Siviero I, et al. (2023) Graph Analysis of TMS-EEG Connectivity Reveals Hemispheric Differences following Occipital Stimulation. *Sensors (Basel, Switzerland)*, 23(21).

DiMattina C, et al. (2023) Second-order boundaries segment more easily when they are density-defined rather than feature-defined. *bioRxiv : the preprint server for biology*.

Manenti GL, et al. (2023) Variability in training unlocks generalization in visual perceptual learning through invariant representations. *Current biology : CB*, 33(5), 817.

DiMattina C, et al. (2022) Luminance texture boundaries and luminance step boundaries are segmented using different mechanisms. *Vision research*, 190, 107968.

Niemeyer JE, et al. (2022) Perceptual enhancement and suppression correlate with V1 neural activity during active sensing. *Current biology : CB*, 32(12), 2654.

Kienitz R, et al. (2022) Microstimulation of visual area V4 improves visual stimulus detection. *Cell reports*, 40(12), 111392.

Ofir N, et al. (2022) Neural signatures of evidence accumulation in temporal decisions. *Current biology : CB*, 32(18), 4093.

van Leeuwen TM, et al. (2021) Perceptual Gains and Losses in Synesthesia and Schizophrenia. *Schizophrenia bulletin*, 47(3), 722.

Zhao Y, et al. (2021) Pharmacological fMRI provides evidence for opioidergic modulation of discrimination of facial pain expressions. *Psychophysiology*, 58(2), e13717.

Ferrè ER, et al. (2021) The vestibular system modulates the contributions of head and torso to egocentric spatial judgements. *Experimental brain research*, 239(7), 2295.

Teng X, et al. (2021) Modulation Spectra Capture EEG Responses to Speech Signals and Drive Distinct Temporal Response Functions. *eNeuro*, 8(1).