

Resource Summary Report

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Freiburg Vision Test ('FrACT')

RRID:SCR_016439

Type: Tool

Proper Citation

Freiburg Vision Test ('FrACT') (RRID:SCR_016439)

Resource Information

URL: <https://michaelbach.de/fract/index.html>

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Description: Software tool for visual test battery in form of a free computer program. Can be run within your browser or download as a stand-alone program. Used by many vision labs, optometrists and ophthalmologists.

Abbreviations: FrACT

Synonyms: Freiburg Acuity and Contrast Test

Resource Type: software resource, standalone software, software application

Keywords: visual, test, battery, psychometric, method, automated, self paced, measurement, acuity, contrast, sensitivity, vernier

Availability: Free, Available for download, Freely available

Resource Name: Freiburg Vision Test ('FrACT')

Resource ID: SCR_016439

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260814T042943+0000

Ratings and Alerts

No rating or validation information has been found for Freiburg Vision Test ('FrACT').

No alerts have been found for Freiburg Vision Test ('FrACT').

Data and Source Information

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Forte G, et al. (2025) Charles Bonnet Syndrome associated with unilateral vision loss: A new diagnostic perspective. *Ophthalmic & physiological optics : the journal of the British College of Ophthalmic Opticians (Optometrists)*, 45(3), 681.

Alvarez-Peregrina C, et al. (2025) Clinical evaluation of MyoCare in Europe (CEME) for myopia management: One-year results. *Ophthalmic & physiological optics : the journal of the British College of Ophthalmic Opticians (Optometrists)*, 45(4), 1025.

Bach M, et al. (2025) Freiburg vision test (FrACT): optimal number of trials? *Graefes's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*, 263(2), 437.

Pant R, et al. (2025) Altered visual cortex excitatory/inhibitory ratio following transient congenital visual deprivation in humans. *eLife*, 13.

Bridge H, et al. (2024) Neurochemistry and functional connectivity in the brain of people with Charles Bonnet syndrome. *Therapeutic advances in ophthalmology*, 16, 25158414241280201.

Martin J, et al. (2024) Rasch analysis and targeting assessment of the teach-CVI survey tool in a cohort of CVI patients. *Frontiers in ophthalmology*, 4, 1495000.

Löffler A, et al. (2024) Reduced tactile sensitivity is associated with mild cognitive impairment. *EBioMedicine*, 99, 104896.

Dieke S, et al. (2023) Impact of intravitreal injection therapy on contrast sensitivity in patients with nAMD and DME. *Graefes's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*, 261(7), 1823.

Chen HA, et al. (2023) Identification of a novel link between adiposity and visuospatial perception. *Obesity (Silver Spring, Md.)*, 31(2), 423.

, et al. (2022) Abstracts of the 59th Symposium of the International Society for Clinical Electrophysiology of Vision (ISCEV): Liverpool, 3-6 August, 2022. *Documenta ophthalmologica. Advances in ophthalmology*, 145(Suppl 1), 3.

Hu ML, et al. (2021) The Clinical Use of Vernier Acuity: Resolution of the Visual Cortex Is More Than Meets the Eye. *Frontiers in neuroscience*, 15, 714843.

Almagati R, et al. (2021) Implications of a Remote Study of Children With Cerebral Visual Impairment for Conducting Virtual Pediatric Eye Care Research: Virtual Assessment Is Possible for Children With CVI. *Frontiers in human neuroscience*, 15, 733179.

Lutz ND, et al. (2021) Occipital sleep spindles predict sequence learning in a visuo-motor task. *Sleep*, 44(8).

Zhao Y, et al. (2021) Psychophysical Validation of a Novel Active Learning Approach for Measuring the Visual Acuity Behavioral Function. *Translational vision science & technology*, 10(1), 1.

Chidharom M, et al. (2021) Conjoint fluctuations of PFC-mediated processes and behavior: An investigation of error-related neural mechanisms in relation to sustained attention. *Cortex; a journal devoted to the study of the nervous system and behavior*, 143, 69.

Stumps A, et al. (2020) Characterizing developmental prosopagnosia beyond face perception: Impaired recollection but intact familiarity recognition. *Cortex; a journal devoted to the study of the nervous system and behavior*, 130, 64.

Ayton LN, et al. (2020) Harmonization of Outcomes and Vision Endpoints in Vision Restoration Trials: Recommendations from the International HOVER Taskforce. *Translational vision science & technology*, 9(8), 25.

Elliott DB, et al. (2020) Subjective Verticality Is Disrupted by Astigmatic Visual Distortion in Older People. *Investigative ophthalmology & visual science*, 61(4), 12.

Heinrich SP, et al. (2020) The "speed" of acuity in scotopic vs. photopic vision. *Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*, 258(12), 2791.

Bekrater-Bodmann R, et al. (2019) Tablet-based sensorimotor home-training system for amnesic mild cognitive impairments in the elderly: design of a randomised clinical trial. *BMJ open*, 9(8), e028632.