

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## An efficient P300-based brain-computer interface for disabled subjects

RRID:SCR\_001584

Type: Tool

---

### Proper Citation

An efficient P300-based brain-computer interface for disabled subjects  
(RRID:SCR\_001584)

---

### Resource Information

**URL:** [https://www.epfl.ch/labs/mmosp/research/page-58317-en-html/bci-2/bci\\_datasets/](https://www.epfl.ch/labs/mmosp/research/page-58317-en-html/bci-2/bci_datasets/)

**Proper Citation:** An efficient P300-based brain-computer interface for disabled subjects  
(RRID:SCR\_001584)

**Description:** A portal containing EEG datasets (in MATLAB format) and the MATLAB software that were used to produce the results in the paper named in the title of this resource. The files published can also be used as a basis for individual research on P300-based brain-computer interfaces. The system is based on the P300 evoked potential and is tested with five severely disabled and four able-bodied subjects. For four of the disabled subjects classification accuracies of 100% are obtained. The bitrates obtained for the disabled subjects range between 10 and 25 bits/min. The effect of different electrode configurations and machine learning algorithms on classification accuracy is tested.

**Resource Type:** source code, data set, data or information resource, software resource

**Defining Citation:** [PMID:17445904](#)

**Keywords:** eeg, brain-computer interface, p300, fishers linear discriminant analysis, bayesian linear discriminant analysis, matlab, data set

**Related Condition:** Disabled, Able-bodied, Normal

**Funding:** Swiss National Science Foundation 200020-112313

**Availability:** Free, Available for download, Freely available

**Resource Name:** An efficient P300-based brain-computer interface for disabled subjects

**Resource ID:** SCR\_001584

**Alternate IDs:** nlx\_153820

**Record Creation Time:** 20220129T080208+0000

**Record Last Update:** 20260801T042507+0000

---

## Ratings and Alerts

No rating or validation information has been found for An efficient P300-based brain-computer interface for disabled subjects.

No alerts have been found for An efficient P300-based brain-computer interface for disabled subjects.

---

## Data and Source Information

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

---

## Usage and Citation Metrics

We have not found any literature mentions for this resource.