

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

## Pipeline System for Octave and Matlab

RRID:SCR\_009637

Type: Tool

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### Proper Citation

Pipeline System for Octave and Matlab (RRID:SCR\_009637)

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### Resource Information

**URL:** <http://code.google.com/p/psom/>

**Proper Citation:** Pipeline System for Octave and Matlab (RRID:SCR\_009637)

**Description:** A lightweight software library to manage complex multi-stage data processing. A pipeline is a collection of jobs, i.e. Matlab or Octave codes with a well identified set of options that are using files for inputs and outputs. To use PSOM, the only requirement is to generate a description of a pipeline in the form of a simple Matlab / Octave structure. PSOM then automatically offers the following services: \* Run jobs in parallel using multiple CPUs or within a distributed computing environment. \* Generate log files and keep track of the pipeline execution. These logs are detailed enough to fully reproduce the analysis. \* Handle job failures : successful completion of jobs is checked and failed jobs can be restarted. \* Handle updates of the pipeline : change options or add jobs and let PSOM figure out what to reprocess !

**Abbreviations:** PSOM

**Resource Type:** workflow software, data processing software, software toolkit, software resource, software library, software application

**Defining Citation:** [PMID:22493575](#)

**Keywords:** reusable library, linux, macos, matlab, microsoft, posix/unix-like, windows, workflow, octave, pipeline

**Availability:** MIT License

**Resource Name:** Pipeline System for Octave and Matlab

**Resource ID:** SCR\_009637

**Alternate IDs:** nlx\_155924

**Alternate URLs:** <http://www.nitrc.org/projects/psom>

**Record Creation Time:** 20220129T080254+0000

**Record Last Update:** 20260731T042824+0000

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## Ratings and Alerts

No rating or validation information has been found for Pipeline System for Octave and Matlab.

No alerts have been found for Pipeline System for Octave and Matlab.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Jung WH, et al. (2013) Exploring the brains of Baduk (Go) experts: gray matter morphometry, resting-state functional connectivity, and graph theoretical analysis. *Frontiers in human neuroscience*, 7, 633.

Bellec P, et al. (2012) The pipeline system for Octave and Matlab (PSOM): a lightweight scripting framework and execution engine for scientific workflows. *Frontiers in neuroinformatics*, 6, 7.

Poline JB, et al. (2012) Data sharing in neuroimaging research. *Frontiers in neuroinformatics*, 6, 9.