

Package ‘cp1919’

June 30, 2026

Type Package

Title Radio Observations of the Pulse Profiles and Dispersion Measures of Twelve Pulsars

Description Successive pulses from CP 1919, the first pulsar discovered. The pulses occur every 1.337 seconds. They are caused by rapidly spinning neutron star.

Version 0.1

Suggests roxygen2

Depends R(>= 4.0.0)

License CC0

BugReports <https://github.com/pachadotdev/cp1919/issues>

URL <https://github.com/pachadotdev/cp1919>

RoxygenNote 8.0.0

Encoding UTF-8

NeedsCompilation yes

LazyData true

Author Mauricio Vargas Sepulveda [aut, cre] (ORCID:
<<https://orcid.org/0000-0003-1017-7574>>)

Maintainer Mauricio Vargas Sepulveda <m.vargas.sepulveda@gmail.com>

Repository CRAN

Date/Publication 2026-06-30 11:10:08 UTC

Contents

pulsar	2
Index	3

pulsar	<i>Radio Observations of the Pulse Profiles and Dispersion Measures of Twelve Pulsars</i>
--------	---

Description

Successive pulses from CP 1919, the first pulsar discovered. The pulses occur every 1.337 seconds. They are caused by rapidly spinning neutron star.

Usage

```
pulsar
```

Format

```
## 'pulsar' A data frame with 24,000 rows and 4 columns:
```

measurement Labels successive pulses. The dataset contains 80 consecutive radio pulses.

time The duration of individual, consecutive radio pulses emitted by the rotating neutron star CP 1919. Each pulse lasts about 0.04 seconds.

radio_intensity The peaks and troughs of each individual pulse.

Source

<<https://www.proquest.com/docview/302499144/abstract?sourcetype=Dissertations>

Examples

```
head(pulsar)
```

Index

* **datasets**
 pulsar, [2](#)

pulsar, [2](#)