

**Agreement on the provision of free-of-charge open-source  
software via the Internet**

b e t w e e n

the Max Planck Society for the Advancement of Science,  
represented by the Managing Director [Prof. Dr. Guido Müller],  
here acting for the Max Planck Institute for  
Gravitational Physics (Albert Einstein Institute)

- hereinafter referred to as '**MPI**' -

a n d

- '**Licensee**' -

(with MPI and Licensee referred to individually as the '**Party**' and jointly as the '**Parties**').

**Preliminary remarks**

The `shoogle` python package provides capabilities for timing gamma-ray pulsars, using a latent-variable + Gibbs-sampling approach to estimate timing model parameters, noise model parameters and the shape of the pulse profile. Gamma-ray photon data can also be combined with radio pulse times-of-arrival to perform joint timing analyses.

The component(s) (the 'Software') created by MPI in connection with the aforementioned project is/are, accordingly, based on pre-existing software components that have been licensed by their originators under the applicable open-source licence.

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## **§ 10 Severability clause**

Should one or more of the provisions of these Terms and Conditions of Use and Licensing be or become invalid, the validity of the remaining provisions of the Agreement shall remain unaffected.

## Annex I – Open-Source Licences

- [Shoogle](#)
  - BSD-3-Clause License
- [Python, and python standard library packages](#)
  - Python Software Foundation License Version 2
- [Astropy](#), [scipy](#), [numpy](#), [PINT](#), [scikit-learn](#)
  - BSD-3-Clause License
- [matplotlib](#):
  - Based on Python Software Foundation License
- [corner](#)
  - BSD-2-Clause License
- [emcee](#)
  - MIT License