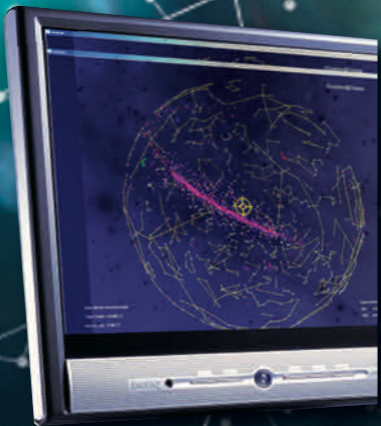




einstein
home

Einstein@Home



einsteinathome.org

Astrophysics for everyone

Einstein@Home

Join in and be a discoverer!

In 1916 Albert Einstein predicted the existence of gravitational waves from his General Theory of Relativity. Only now has technology caught up: on 14 September 2015, LIGO scientists directly detected these tiny ripples in space-time for the first time. The distributed computing project Einstein@Home analyzes data from the LIGO gravitational-wave detectors to search for signals from unknown, rapidly-rotating neutron stars. More than 400,000 volunteers from around the world have already donated the idle computing power of their computers and smartphones. **Become a member** of this community and help us to catch gravitational waves!

Discover a pulsar!

Einstein@Home volunteers have already made discoveries. Their worldwide computer network has found many new radio pulsars in data from the Arecibo and Parkes radio telescopes. The citizen scientists who discovered these pulsars were credited in scientific publications and were involved in outreach and press activities.

The **Einstein@Home community** has also discovered new gamma-ray pulsars in data from the Fermi satellite. **Join in** – maybe your computer will make the next discovery!

LIGO:

ligo.org

Arecibo Observatory:

naic.edu

Parkes Observatory:

www.parkes.atnf.csiro.au

Fermi Gamma-ray Space Telescope:

fermi.gsfc.nasa.gov

Einstein@Home is a project of the LIGO Scientific Collaboration.

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