



# PLANETARY SYSTEMS OF THE KNOWN UNIVERSE

- Mag -1
- Mag 0
- Mag 1
- Mag 2
- Mag 3
- Mag 4
- Mag 5

- planetary system within 100 light years
- planetary system within 2700 light years
- planetary system more than 2700 light years away
- system with potentially habitable planet
- system with potentially habitable planet (optimistic)

- constellation
- Con constellation name
- ecliptic
- The Milky Way
- Star star name

The idea that the stars have planets of their own — and that those planets might have inhabitants — has been around since at least 1584. But it wasn't until the late 20th century that we were able to confirm the existence of these so-called "exoplanets." Now astronomers have found nearly 5,000 exoplanets, most of them in our own small corner of the Milky Way galaxy. The vast majority circle stars, but there are a "rogue planets" that drift through the cosmos alone, orbiting the galactic center.

Some exoplanets are dense and rocky (like Earth and Venus) while others are light and fluffy (more like Neptune). Some can be found in the habitable zone of their star - a region where it is neither too hot or too cold for liquid water to flow. Planets in this zone have the greatest potential to harbor alien life.

This map was developed by Adam M. Cole in October 2021 based on a file by Jim Cornnell (jimscosmos.com)

