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# A COURSE ON ASTRONOMY AND ASTROPHYSICS, IUCAA

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## MODULE 7

### SOLAR SYSTEM ASTRONOMY

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The Extrasolar Planets Encyclopaedia. Established in February 1995 Developed and maintained by the exoplanet TEAM update : Jan. 31, 2021 (4414 planets) Please report any problems to vo.exoplanet@obspm.fr. All Catalogs Filter, sort, export " arbitrary data manipulations with the Extrasolar Planets Encyclopaedia. Diagrams Analyze the Extrasolar Planets Encyclopaedia data online. Simple plotting tool right in the browser. News. Dec. 2, 2019 A new tool is now accessible on the exoplanet.eu database. An extrasolar planet (or exoplanet ), is a planet in a planetary system outside of the Solar System . The first bit of evidence of an extrasolar planet was in 1917, although it was not recognized as such. The first scientific detection of an exoplanet was in 1988. The first time an exoplanet was confirmed was in 1992, when three planets were discovered to be orbiting a pulsar named PSR B1257+12 . Around 4,000 of these planets have been discovered (4,281 planets in 3,163 systems as of July 1, 2020) What Are Extrasolar Planets? For countless generations, human beings have looked out at the night sky and wondered if they were alone in the universe. With the discovery of other planets in our Solar System, the true extent of the Milky Way galaxy, and other galaxies beyond our own, this question has only deepened and become more profound. An extrasolar planet, also called an exoplanet, is a planet that orbits a star (i.e. is part of a solar system) other than our own. An exoplanet or extrasolar planet is a planet outside the Solar System. The first possible evidence of an exoplanet was noted in 1917, but was not recognized as such. The first confirmation of detection occurred in 1992. This was followed by the confirmation of a different planet, originally detected in 1988. As of 1 February 2021, there are 4,414 confirmed exoplanets in 3,257 systems, with 722 systems having more than one planet.