



Ploonet

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- Astronomers have defined a new class of celestial objects called "Ploonets," which are orphaned moons that have escaped the bonds of their planetary parents.
Planet + moon = Ploonet.
- The researchers explain that the angular momentum between the planet and its moon results in the moon escaping the gravitational pull of its parent.
- A new study suggests that the moons of gas-giant exoplanets may break away into their own orbits.
- As the gas giants move inward toward their suns, the orbits of their moons are often disrupted, according to new computer models.
- The scientists think these objects should exist in solitary orbits around their host stars and could even be discovered in observations from past and present exoplanet-hunting surveys, like **Kepler** and **TESS**.