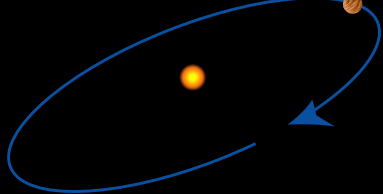


# Jovian planet in Globular Cluster M4: Calm bystander in stellar drama

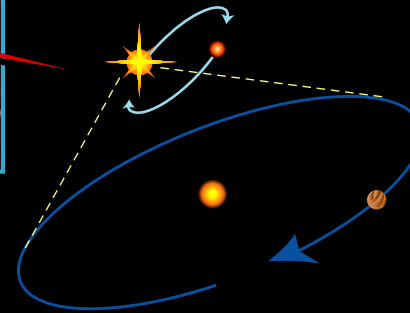
Jovian planet forms around Sun-like star in outskirts of M4 13 billion years ago.

Jovian planet (2.5 Jupiter masses)

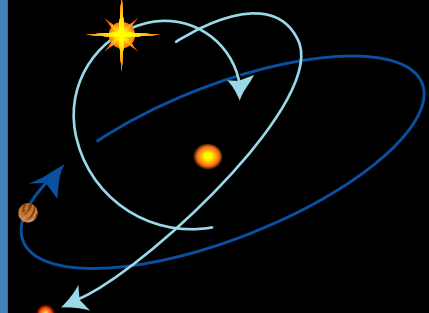


Planet system travels to core of Globular Cluster M4

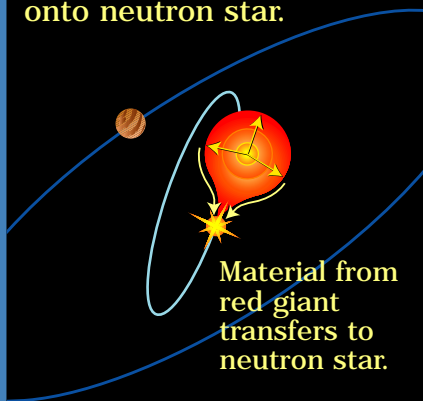
Star passes through M4's core and is drawn toward a neutron star and its companion.



Slowly spinning neutron star captures star and planet; its original partner is ejected into space.

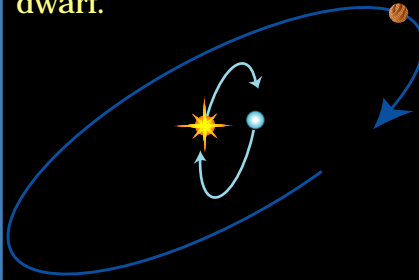


Sun-like star swells to a red giant, spilling matter onto neutron star.

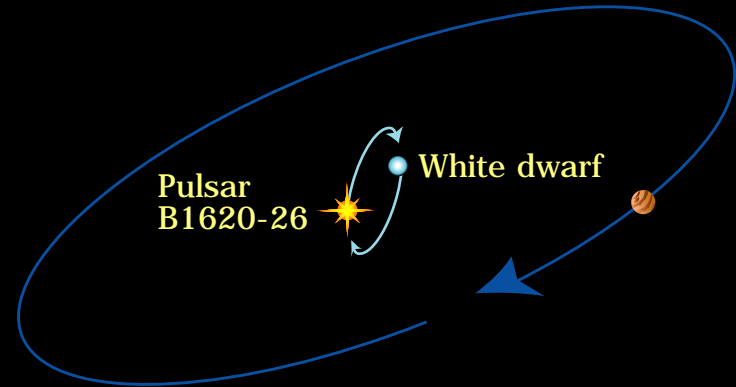


Material from red giant transfers to neutron star.

Neutron star "spins up," becoming a pulsar that spins 100 times a second (PSR B1620-26). Red giant becomes a helium white dwarf.



Jovian planet continues to orbit, relatively undisturbed, around new binary system.



Pulsar B1620-26

White dwarf