

Ringworld without solar generators

Introduced in his 1970 award-winning novel of the same name, the Ringworld is an artificial band approximately one million miles wide and roughly the diameter of Earth's orbit around ...

That's what the Ringworld series by Larry Niven proposed, although I think they were sheets of solar panels to provide for power generation as well.

As long as it's not a ring around a star, you might be able to start with today's technology - if you don't mind it only being small (a kilometer, or maybe a few Km) in diameter, and floating in Earth orbit. The ...

The bottom line is that a somewhat smaller ringworld is certainly possible, but we're still talking planetary orbit sized. Little (i.e., small enough that we can vaguely imagine how we might one ...

While we can't make exotic matter, we can make solar powered magnetic levitation systems. This system could be distributed evenly between the inner and outer rings, acting as a ...

A new series where we review different technological concepts that many would consider to be "impossible." Our debut article focuses on one of my favorite concepts: the ringworld.

Earthring is isolated from other systems except for generational STL travel. No need for spaceships because there's nothing but the ring and the sun. It's.... a zoo of interplanetary ...

One of the mountains in the Ringworld didn't show up on any of the "historical" maps because it was caused by an asteroid strike on the underside of the ring that punched all the way through to the top.

The resources required are so vast that by the time the Ringworld (also known as a Niven Ring) is constructed, there wouldn't be much left of the Solar System but a few lingering rocky ...

I would assume that this solar energy is how both hive minds and machine intelligences make generator areas on their ringworlds. Why wouldn't a person, lizard, snail, etc. make a solar ...

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