

Green's Diameter II

The Urth list — 1 messages, 1 voices, 13 Mar 2002

<https://urth.darkrealm.vip/thread/urth/3034>

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Michael Andre-Driussi — 13 Mar 2002, 22:52

New experiment: we want to see how far away Earth-like planets would be in order to have an angular diameter about equal to the Moon and the Sun seen from Earth (0.52 degrees).

Three planet sizes: Small, Medium, Large.

ANGULAR EST. DISTANCE SAME

DIAMETER @ FOR ANGULAR DISTANCE

DIAMETER 105,000 mi DIAMETER = 0.52 IN LEAGUES SMALL 6,200 mi 3.38 deg. 700,000 miles
233,333 MEDIUM 8,000 mi 4.37 deg. 900,000 miles 300,000 LARGE 10,000 mi 5.46 deg.
1,055,000 miles 351,667

This experiment is to help us all visualize what we are talking about. I only picked the target angular-diameter of 0.52 because of the familiar size for us Earth-bound.

Regarding the problem of distance for the inhum to fly across. Well, we had earlier on more or less agreed that there were some serious technical problems with flying across--actually, granting an ability to survive vacuum during the transit was the easiest part . . . the hardest parts seemed to be escape velocity and surviving re-entry.

At the time, iirc, we here decided to file it under magic and see what developed. Sure enough, there were suggestions in RTTW that "flight" was maybe an easy cover-story for the humans. So what do they =really= do? I don't know, but they seem to be lying about it!

Anyway, the thing seems magical/impossible no matter what the distance is, and in this sense distance doesn't really matter (although if one believes the inhum have a distance-limited teleporation ability, then yes, distance defines it).

=mantis=