

Gravitational Force KBO Simple

Step 1: In the picture below give the values of all the variables for your problem.



Step 2: Show the calculation for the force of gravity on the ship as it sits on the surface of the Kuiper Belt Object. Enter your answer into the program to make sure you did everything correctly.

Step 3: Calculate the force of gravity that this same ship would have experienced on the surface of the Earth (Taylor's Version). How many times heavier is the ship on the Earth compared to when it is on the surface of this Kuiper Belt Object?