A picture containing object

Description automatically generated

 Where time is the orbital period of Titan. If we choose a certain

This formula will give us the speed at which the spacecraft have 15,9 days which represents 1373760 seconds. If for exemple we take the r = 150 km + 2 574,7 km (radius of Titan)

The velocity will be v = 2∏150x103/1373760=

Because centripetal force is the same as gravitational force in a geostationary orbit, we can put them in opposite sides of the equation:

A close up of a logo

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