

PPS005-P03

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About the Distribution of the Rotation Period of the Minor Planets, that was observed by the Light Curve

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About the Distribution of the Rotation Period of the Minor Planets, that was observed by the Light Curve.

The Musical scale Model and the HH(Hula-Hoop Rotation-Revolution) Mathematical Model indicate Commensurability or Resonance relation between Rotation of the Planet and Rotation of the Sun and also between Rotation of the Minor Planet and Rotation of the Sun.

The Musical scale Model and HH(Hula-Hoop Rotation-Revolution) Mathematical Model indicates Commensurability or Resonance relation between Rotation of the Sun and Revolution of the Planet, and also between Rotation of the Planet and Revolution of the Sattellite.

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The HH (Hula-Hoop) Model on Rotation of the Sun and Revolution of the Planet in case of observed Sun's Rotation Period ; $A = 25.38$ days.

The HH (Hula-Hoop Rotation-Revolution) Model indicates the Commensurability or Resonance relations between Rotation of the Sun and Revolution of the Planet, and also between Rotation of the Planet and Revolution of it's Satellite.

About the HH(Hula-Hoop Rotation-Revolution) Model, between Rotation of the Sun and Revolution of the Planet;
Let the Rotation period of the Sun : (A), $A = 25.38$ days.
the radius of the equator of the Sun : (R), $R = 696,000$ km.
the Revolution period of the Planet : (Y), eg. $Y = 365.25$ days.
the Revolution radius of the Planet : (K), eg. $K = 149,597,870$ km.
and virtual Hula-Hoop's diameter equals to (K). eg. is our Earth.

Then the virtual Hula-Hoop's radius : (H), eg. $H = 74,798,935$ km.
 $H=K/2$ should be realized.

Suppose the Revolution period of a virtual Hula-Hoop synchronizes to the Rotation period of the Sun : (A), $A = 25.38$ days then the Rotation period of virtual Hula-Hoop : (X), $X = 2727.6$ days $X=(H/R)*A$ should be realized. $(X) : (Y) = 2727.6 : 365.25 = 15 : 2$

We tried to apply the observed data to the above model and found out that between the Rotation period of virtual Hula-Hoop : (X) and the Revolution period of the Planet : (Y), $Y = 365.25$ days. indicate Commensurability or Resonance relations in many cases.

About the HH (Hula-Hoop Rotation-Revolution) Model, between Rotation of the Planet and Revolution of the Satellite; Let the Rotation period of the Planet : (D), eg. our Earth, $D = 0.9973$ days. the radius of the equator of the Planet : (R), eg. our Earth, $R = 6,378$ km. the Revolution period of the Satellite : (M), eg. our Moon, $M = 27.3217$ days. the Revolution radius of the Satellite : (K), eg. our Moon, $K = 384,402$ km. and virtual Hula-Hoop's diameter equals to (K). eg. is our Moon.

Then the virtual Hula-Hoop's radius : (H), eg. our Moon, $H = 192,201$ km. $H=K/2$ should be realized. Suppose the Revolution period of a virtual Hula-Hoop synchronizes to the Rotation period of the Planet : (D), $D = 0.9973$ days. then the Rotation period of virtual Hula-Hoop : (X), eg. $X = 30.0536$ days. $X=(H/R)*D$ should be realized. $(X) : (M) = 30.0536 : 27.3217 = 8 : 7$

We tried to apply the observed data to the above model and found out that between the Rotation period of virtual Hula-Hoop : (X) and the Revolution period of the Satellite : (M), indicate Commensurability or Resonance relations in many cases.

Finally, the Musical scale Model indicates Resonance relations between Rotation of the Sun and Rotation of the Planet and also, between Rotation of the Sun and Rotation of the Minor Planet (Asteroid), that was observed by lightcurves.

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