

The Musical scale Model and HH Model indicate Resonance relation between Rotation of the Planet and Revolution of the Satellite

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TITLE : The Musical scale Model and HH Model indicate Resonance relation between Rotation of the Planet and Revolution of the Satellite.

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

The HH (Hula-Hoop) Model on Rotation of the Sun and Revolution of the Planet in case of observed Sun's Rotation Period ; $A = 23.38$ 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),
the radius of the equator of the Sun : (R),
the Revolution period of the Planet : (Y),
the Revolution radius of the Planet : (K),
and virtual Hula-Hoop's diameter equals to (K).
Then the virtual Hula-Hoop's radius : (H),
 $H=K/2$ should be realized.
Suppose the Revolution period of a virtual Hula-Hoop synchronizes to the Rotation period of the Sun : (A),
then the Rotation period of virtual Hula-Hoop : (X),
 $X=(H/R)*A$ should be realized.

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), 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),
the radius of the equator of the Planet : (R),
the Revolution period of the Satellite : (M),
the Revolution radius of the Satellite : (K),
and virtual Hula-Hoop's diameter equals to (K).
Then the virtual Hula-Hoop's radius : (H),
 $H=K/2$ should be realized.
Suppose the Revolution period of a virtual Hula-Hoop synchronizes to the Rotation period of the Planet : (D),
then the Rotation period of virtual Hula-Hoop : (X),
 $X=(H/R)*D$ should be realized.

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.

The Musical scale Model indicates Resonance relations between
Rotation of the Sun and Revolution of the Planets and also,
between Rotation of the Sun and Rotation of the Asteroids ,
that was observed by lightcurves in our Solar System.

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