

**MAXWELL THEORY DESCRIBES SOLAR SYSTEM**

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An idea of oscillator exists in quantum mechanics. Let us show, that the planet system really is a linked system of pendulums. A criterion of the platen orbits and the whole planet system steadiness can be the condition:

$$T_j/T_{ij} = m + 1, \quad (1)$$

where  $m = 1, 2, \dots$  is a whole positive number. For planets with the circulation period  $T_i$  and  $T_j (T_i < T_j)$  the meeting period  $T_{ij}$  equals

$$1/T_{ij} = 1/T_i + 1/T_j, \text{ or } T_{ij} = (T_i \cdot T_j) / (T_i + T_j) \quad (2)$$

If we substitute this equation into the initial one, we will obtain the oscillator equation:

$$T_i = T_j / m. \quad (3)$$

As  $T_j$  we will choose the period of the sun circulation around the system masses centre  $T_j = T_c$  and we will calculate  $m = T_c/T_i$  (table 1). Here  $T_i$  will be the Planets-Giants' circulation period.

**Table 1**

The sun controls planets

Object	Sun	Jupiter	Saturn	Uranus	Neptune	pPluto
$T_p$ , years	179,77	11,86	29,45	84,01	164,8	247,7
$T_{ij}$ , years	-	11,12	25,29	57,15	85,75	103,8
$m$	-	15,07	6,07	2,13	1,09	0,72

Astronomers already refer Pluto to planets and this is confirmed by the fractional index  $m \approx 3/4$ . For other planets this condition is accurately satisfied.

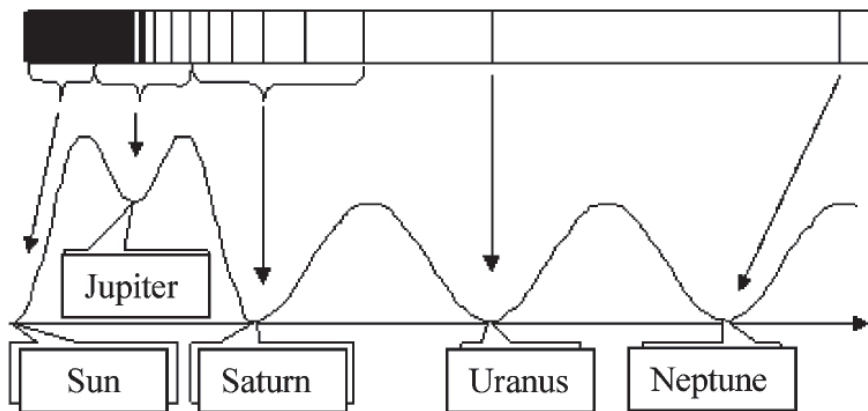
In table 1 index  $m$  runs through the values out of sequence, and that gives us grounds to suppose the final number of levels in system  $K = C/V_g = 22351$  (this constant is responsible for the Universe structure). Here  $C$  is the light speed,  $V_g = (G_{N-K} \cdot G_K)^{1/2}$  is the graviton speed,  $G_{N-K}$  is the constant of Newton-Cavendish,  $G_K$  is the «magnet» gravity constant,  $M_0$  is the sun mass. In this case planets Neptune and Uranus are represented by one oscillator level each, and Saturn, Jupiter, and Sun level number is defined by the number of oscillator levels above each Sun gravity wave superposition holes – the graphic analogue of Schredinger equation (Figure and table 2). The Sun main gravity wave length is  $\lambda_0 = M_0/G_K$ , and period  $T_0 = 2\pi\lambda_0/V_g = 10,95$  years.

The sun gravity potential is represented by the sum of two waves. The main wave with length equals  $\lambda_0$  and is in same condition as wave with length  $2\lambda_0$  with three condition of the «spin» projections number. «Spin» is also a quantum analogue.

**Table 2**

The results of the Planets-Giants' mass calculation

Planet	Observed mass, g	Calculated mass, g	Number of levels
Sun	$1,99 \cdot 10^{33}$	-	22321
Jupiter	$1,90 \cdot 10^{30}$	$1,96 \cdot 10^{30}$	22
Saturn	$5,68 \cdot 10^{29}$	$5,34 \cdot 10^{29}$	6
Uranus	$8,7 \cdot 10^{28}$	$8,91 \cdot 10^{28}$	1
Neptune	$10,3 \cdot 10^{28}$	$8,91 \cdot 10^{28}$	1



At the top the oscillator is showed. At the bottom – the Sun gravity waves superposition. Arrows display the levels and their number above the Sun and planets «holes»

The mass of one oscillator level (gravity level) in system  $M_{Ur}$  equals:

$$M_{Ur} = M/K = 8,91 \cdot 10^{28} \text{ r,}$$

here  $M$  is the Sun system mass

$$M \approx M_0 = 1,99 \cdot 10^{33} \text{ g.} \quad (4)$$

The observed Uranus and Neptune masses ( $M_U = 8,7 \cdot 10^{28} \text{ g}$  and  $M_N = 10,3 \cdot 10^{28} \text{ g}$ ) corresponds to the oscillator level mass well. As all oscillator levels are identical, the other planet masses (and Sun) are defined by the number of oscillator levels above the corresponding gravity wave «hole». To put the obtained oscillator over the wave superposition the time is recalculated into the distance according to the Kepler law. The solar system has two energetic conditions. Jupiter is in the first condition, and Saturn, Uranus, and Neptune are in the second. The position of the Sun gravity potential is showed by Figure.

Therefore, the orbit radiuses, movement speeds, equator inclinations and masses of Planets-Giants are predefined by the Sun mass in the same way as the core charge defines the structure of atom electric cover.

Terrestrial planets were formed in the areas of the main wave interference ( $\ell$  is a whole number):

$$R = \lambda_0 / (2 \cdot \ell + 1) \quad (5)$$

is the orbit radius.

If we carry on the quantum mechanics analogy, the «gravity radiation constant»  $k$  in a similar way with the Plank constant and «spin» of planets in this index units will look like:

$$k = p \cdot \lambda_0$$

or

$$\begin{aligned} k &= M \cdot V_g \cdot \lambda_0 = M^2 \cdot (G_{N-K} \cdot G_K)^{1/2} / G_K = \\ &= M^2 \cdot (G_{N-K} / G_K)^{1/2} \end{aligned} \quad (6)$$

and

$$S_{kg} = (k/2\pi) \cdot m = (M^2/2\pi) \cdot (G_{N-K}/G_K)^{1/2} \cdot m,$$

where  $m$  is the gravity «spin».

#### References

1. Kurkov A.A. Personal Internet – magazine. Registered on 02.06.2007 [digital source] / Science – News: site: URL: <http://zaza149.inauka.ru/> (request date 13.01.2011).

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