The Weird Effects of the Mind and Gravity

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Abstract

This paper re-analyses published data obtained from mind science experiments in 2009 and 2010 relating to changes in Newtonian gravitational force, F_g , as the earth circles the sun, and how perception of a measured length, L, of a standard yardstick is affected. The equation $\mathbf{L = 6E+105F_g^{-\delta}}$ was found with a high correlation coefficient $R^2 = 0.9745$. The exponential of the gravitational force is Feigenbaum's constant within 0.013% error. This is another example of the mind's ability to interact with gravity and produce a universal constant.

This discovery suggests that consciousness is intimately connected to the fabric of the universe and chaos theory, with several implications including a connection to the outer universe appearing to expand against gravity, and a possible connection between dark energy, consciousness, and the Higgs field.

Key Words

Mind; Consciousness; Chaos; Feigenbaum's Constant; Gravity; Structure of the Universe

Introduction

Noetics measurements obtained from May 2009 to Sept 2010 on how the length of a standard yardstick [1] changed as the earth circled the sun (in its elliptical orbit causing a varying gravitational force) was published as a paper [3] entitled *The Effects of Gravity on the Mind's Perception* in Nov 2010. The findings are summarised in Figure 1.
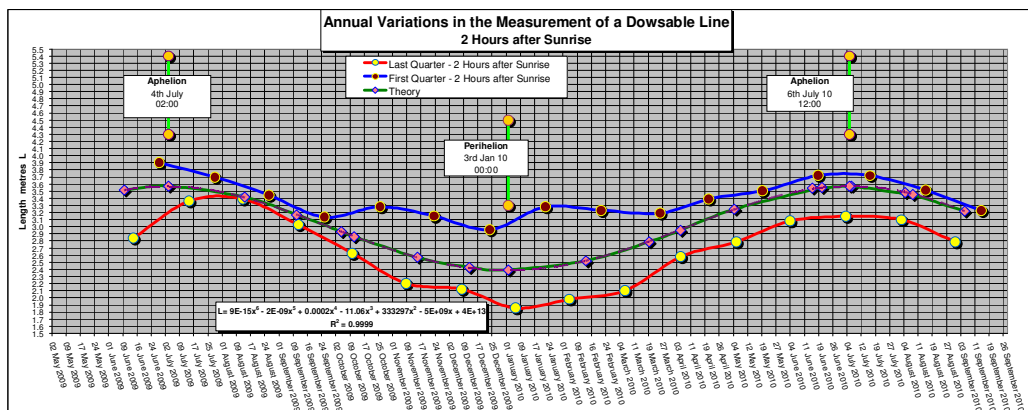

Figure 1

To avoid known daily and lunar month perturbations, measurements were taken at the same time of the day, on 2 specific days in successive lunar months. This resulted in the 2 curves in Figure 1 coloured blue and red. The heuristic analysis of the average

yardstick lengths on specific dates shown as the middle curve in black, suggested that perceived lengths were a function of the inverse of Newton's law of gravity raised to the power 6.

This paper presents a more accurate analysis of the above data, not as originally published where length was a function of months in a year, but as the perceived measured length as a function of the actual Newtonian gravitational force between the sun and earth at the time of the measurement.

Findings

Figure 2 summarises the revised results with the data points represented as blue squares. Table 2 summarises the origins of the blue data points.
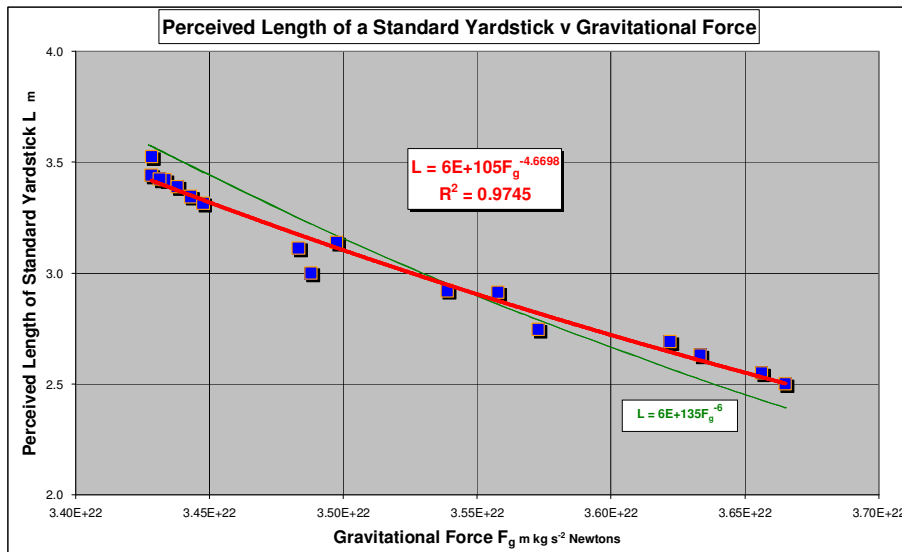

Figure 2

	Date	L1	L2	L metres	d A.U.	d metres	d^2 metres^2	Gravitational Force F $m^1kg^1s^{-2}$
	06 September 2010	2.700	3.300	3.000	1.00794	1.50786E+11	2.27363E+22	3.49E+22
	05 August 2010	3.090	3.600	3.345	1.01450	1.51767E+11	2.30332E+22	3.44E+22
	09 August 2010	3.050	3.580	3.315	1.01380	1.51662E+11	2.30015E+22	3.45E+22
Aphelion	06 July 2010	3.740	3.144	3.442	1.01667	1.52091E+11	2.31317E+22	3.43E+22
	16 June 2010	3.710	3.130	3.420	1.01590	1.51976E+11	2.30968E+22	3.43E+22
Solstice	21 June 2010	3.720	3.130	3.425	1.01620	1.52021E+11	2.31105E+22	3.43E+22
	05 May 2010	2.785	3.440	3.113	1.00860	1.50884E+11	2.27661E+22	3.48E+22
	06 April 2010	2.580	3.260	2.920	1.00066	1.49696E+11	2.2409E+22	3.54E+22
Equinox	20 March 2010	2.300	3.190	2.745	0.99588	1.48981E+11	2.21955E+22	3.57E+22
	14 February 2010	2.000	3.260	2.630	0.98756	1.47737E+11	2.18262E+22	3.63E+22
Perihelion	03 January 2010	1.900	3.100	2.500	0.98328	1.47096E+11	2.16374E+22	3.67E+22
	13 December 2009	3.000	2.100	2.550	0.98446	1.47273E+11	2.16894E+22	3.66E+22
	15 November 2009	3.200	2.180	2.690	0.98910	1.47967E+11	2.18943E+22	3.62E+22
	12 October 2009	3.200	2.626	2.913	0.99799	1.49297E+11	2.22896E+22	3.56E+22
	11 September 2009	3.028	3.250	3.139	1.00655	1.50578E+11	2.26737E+22	3.50E+22
Aphelion	04 July 2009	3.200	3.850	3.525	1.01665	1.52089E+11	2.3131E+22	3.43E+22
Solstice	10 June 2009	3.980	2.800	3.390	1.01522	1.51875E+11	2.30659E+22	3.44E+22

Table 2

L is the average of the red and blue curves in Figure 1 on the specific dates in the left hand column of Table 2. The Newtonian gravitational force, F_g, is obtained by the standard equation

$$F_g = G.M.m/d^2 \qquad \text{(i)}$$

Table 3 summarises the constants, giving the value $F_g = 7.93E+44/d^2 \ m^1kg^1s^{-2}$
.

mass of the Earth m	5.97E+24	kilograms
mass of the Sun M	1.99E+30	kilograms
G	6.67E-11	$m^3kg^{-1}s^{-2}$

Table 3

Using the standard astronomical unit of 1 A.U. = 1.49598E+11 metres, the distance between the sun and earth, d, was obtained by use of the astronomical package Stellarium, enabling the gravitational force to be calculated in the right hand column in Table 2.

The red line in Figure 2 is the power trend line produced by the Excel spreadsheet, giving an equation

$$L = 6E+105F_g^{-4.6698} \qquad \text{(ii)}$$

The correlation coefficient for equation (ii) is 0.9745 which is exceptionally high, so giving confidence in the accuracy of the experimental results.

For comparison the original heuristic equation obtained as a visually produced average of the two curves in Figure 1 was $L = 6E+135F_g^{-6}$. This is shown as the green curve in Figure 2, and is not such a good fit.

As apparent from Table 4, the power index in equation (ii) equals Feigenbaum's Constant, δ, to an accuracy of 0.0129%. This is remarkable accuracy as these results were obtained 2 years after the measurements were made and thus ruling out accusations of premeditated values, or coincidence.

Power Index from Equation (ii)	4.6698
Feigenbaum's Constant δ	4.6692
Difference	-0.0006
% Difference	**-0.0129%**

Table 4

Conclusions

As the correlation coefficient for equation (ii) is so high; and as power law equations are common in mind science [4]; and as the results are compatible with other research [2]; and as Feigenbaum's Constant δ occurs in other mind science experiments [5]; and as the accuracy to δ is so high, it can be confidently postulated that the correct equation for the relationship between gravity and the mind's perceived length is

$$L = 6E+105F_g^{-\delta} \qquad \text{(iii)}$$

δ is a universal constant associated with chaos theory, bifurcation, fractals, and fluid flow turbulence. All of these concepts have been found in mind science experiments. These results are therefore another example of consciousness being linked to the structure of the universe and the laws of physics, but sometimes with different interpretations to classical physics.

The Way Forward

As usual, scientific research provides more questions than answers. Some obvious questions are:

1. How does the mind easily detect changes in the (very weak) gravitational force?

2. Are both gravity and consciousness associated with chaos theory?

3. What is the physical role of Feigenbaum's Constant, δ, in gravity and in the mechanism of consciousness?

4. Is there a connection between weaker gravity causing elongated measurements, and the outer universe appearing to expand against gravity?

5. Why does consciousness and noetic measurements produce a different form to the classical Newton's inverse square law of gravity?

6. Is there a connection between dark energy, consciousness, and the Higgs field?

It is hoped that this paper will motivate researchers to confirm these experimental findings and to develop the theoretical aspects of the interaction between gravity and consciousness.

References to the Author's and Other Relevant Research Papers

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