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1. Abduction

It can be said that it could be verified if it could explain all the plural outcome of one time evolution with uniform verification of origin which can not be induced or deduced without time machine and Abduction conformally.

2. Physically meaningful hypothesis

Furthermore, if we do not satisfy the truth of the laws of physics, ***we can not ignore the truth*** (eg energy conservation law) even if it is a one-time demonstration experiment result. It is necessary to have **the truth inside of the hypothesis**.

3. Hypothesis validation can explain multiple results of evolution one time only in a unified way

Since evolution is used, verification is possible, but problems can not be solved unless a meaningful hypothesis can not be proposed.

Especially it is not easy to come up with a groundbreaking hypothesis that unifiedly explains all mysteries.

4. Multi impact hypothesis, origins of deep sea ocean bottom and asteroid belt and plate tectonics

Protoplanet CERRA accumulated at Position of Asteroid Belt was **perturbed by Giant Planet Jupiter** that subsequently accumulated, and Orbit **became Elliptical Orbit**.

Fragments of Mantle became **Asteroids of Train** circled around Sun.

Crushed Mantle strip turns around Sun as a Train Asteroid, and Collisions of Earth causes Large Extinction of Species, **Seven seas with an average depth of 5 km** were formed by **Mantle Defect** and **Isostasy**.

Collision to the Pacific Ocean is **Origin of Injected an eccentric Moon with Only Mantle**, and **Pacific Arc Island and Back Basin**.

Collision to High Latitude was **Origin of Formation of Tichitan Sea, Sudden Change of Plate Movement Direction** and **Shaft Movement and Inclination**.

When **Concave Plate** and **Convex Plate** are pushed together, **Convex Plate deforms and enters under Concave Plate**.

Driving Force is **a couple that minimizes Moment of Inertia** of Earth and **Inclination of Axis of Rotation** is Reason for causing **a Sudden Change in Direction of Movement**.

(4) Mystery that Moon always directs Surface only to Earth : Earth's mantle is denser as it is inside , The ejected **mantle's moon is eccentric (2 km)**

, Heavy side always faces **the center side (Earth)**, Moon going around **Common center of Gravity**

5. Multi impact hypothesis, origins of moon

(1) Mystery of Origin of Moon : **CERRA's tear crash at Pacific Ocean position** of the Earth and **Inject Moon**

(2) Mystery of Moon **only in the mantle** : CERRA's Mantle tear strip exactly like **Newton's cradle**

(3) **Mystery of Moon Orbit** :With an impact Velocity of 12.4 km and Angle of 36.5 degrees, Injection to Current Moon orbit position (*60 times Re*) is possible

6. Multi impact hypothesis, - origins of Earth -

(1)Origin of Ocean Floor occupying 70% of Surface area of Earth with an average depth of 5 km: collision separation of Mantle Asteroid and isostatic equilibrium depth 5 km

(2)**Origin of Pate Tectonics and Plate Diving Force**: cracking due to collision = boundary formation, couple generation due to the rotation of the earth = plate driving force

7. Multi impact hypothesis, - Other origins -

(1) **Mystery of Jupiter's large red spot** :CERRA's crushed piece collided with Jupiter and it became soliton of different material.

(2) **Mystery that Mercury is about double the core / mantle ratio** of other Earth-type planets :CERRA core plus mantle became *twice* as large as *Core Mantle*, as Speed declined due to **Energy Distribution Law** and stood on Mercury trajectory at *End of Forbidden Zone*.

(3) **Mystery of Origin of Asteroid belt** : *CERRA is Remainder of Fragments* and *Energy Distribution* is distributed around **Original Planet**.

8. New stationary cosmology by quantum red shift,Consistent with the law of conservation of energy

We abandon Expansion Space Hypothesis ignoring Conservation Law of Energy and describe a New Paradigm that can rationally explain Redshift.

9. Constant angular velocity rotation mechanism to unify all galactic rotations

Law of Universal Gravity holds Rule of Superposition.

If the rotation around **Common center of Gravity** is rotating at the same Angular Velocity, we can explain all Rotation of Helical Galaxy of Unity in a unified way.

This is natural law and explanation is possible.

Hypothesis that can matchMystery of Universe and Truth of Physical Law can be verified by reasonably explaining Present Situation.

From **Copy and paste**, propose **Original Hypothesis and verify with Abduction**.Understanding is more truthful than Knowledge.

SEED SCIENCE Labo, the smallest scientific Personal institute in the world The object of exploration is the world's widest and the past [the origin of the solar system and moon and the earth, the universe does not expand etc.]

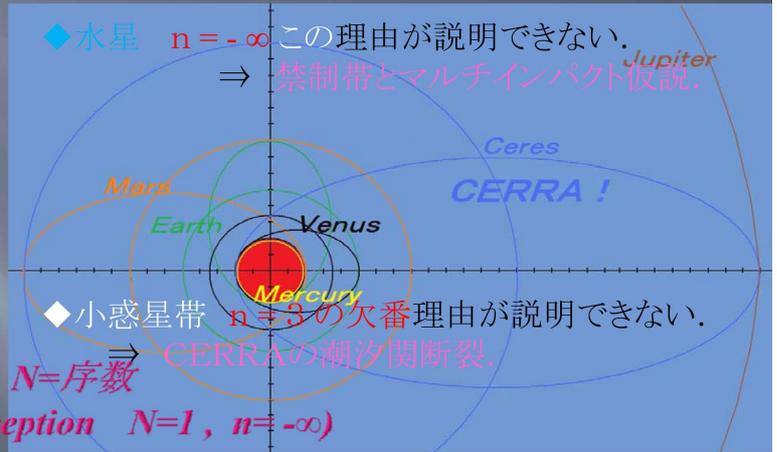
Keywords: Abduction , Physically meaningful hypothesis, Hypothesis validation can explain multiple results of evolution one time only in a unified way, Multi impact hypothesis, origins of moon and deep sea ocean bottom and asteroid belt and plate tectonics, New stationary cosmology by quantum red shift,Consistent with the law of conservation of energy, Constant angular velocity rotation mechanism to unify all galactic rotations

5. チチウス・ The Origin of The Moon and The Earth in Multi-Impact Hypothesis with Abduction. 2017 2-28

ボーデの法則

- ①微惑星楕円軌道遠点での衝突⇒ 同じ速度で合体による軌道縮退と内側ドリフト.
- ②禁制帯, フィーディングゾーンでの合体⇒ ガス抵抗で減速
- ③CERRAの潮汐断裂衝突

計算式: 平均距離 $r=0.4+(0.3 \cdot 2^n)$ $N=$ 序数
 $n=-\infty, 0, 1, \dots$ [au] $n=N-2$ (exception $N=1, n=-\infty$)



	水星	金星	cf ティア	地球	火星	CERRA	木星	土星	天王星	海王星	冥王星
実測値(au)	0.39	0.72	0.99	1.00	1.52	2.77	5.20	9.54	19.19	30.06	39.44
長半径 a=(au)	0.40	0.70	0.99	1.00	1.60	2.80	5.20	10.00	19.60	38.80	77.20
禁制帯 r=(au)	0.40	0.40	0.980	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
内接円軌道	0.10	0.40	0.98	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
扁平率 e=	0.0513	0.2441	0.0051	0.2000	0.1633	0.1381	0.1229	0.1146	0.1101	0.1079	0.1067
$b_n \cdot b_n$	0.3600	0.4000	0.9800	0.6400	1.1200	2.0800	4.0000	7.8400	15.520	30.880	61.600
円軌道 $V_a=$	1.5811	1.1952	1.0050	1.0000	0.7906	0.5976	0.4385	0.3162	0.2259	0.1605	0.1138
遠点速度 $V_f=$	1.5020	0.9317	0.9900	0.8165	0.6704	0.5201	0.3876	0.2819	0.2022	0.1441	0.1022
近点速度 $V_n=$	1.6645	1.5333	1.0000	1.2247	0.9322	0.6867	0.4962	0.3548	0.2523	0.1789	0.1267
v 遠近比 $h_i=$	1.1082	1.6458	1.0102	1.5000	1.3905	1.3205	1.2804	1.2588	1.2476	1.2419	1.2390
外遠速度比	1.2566	0.9317	0.9900	1.0328	1.1219	1.1859	1.2256	1.2478	1.2597	1.2658	
n	$-\infty$	0	1	1	2	3	4	5	6	7	8