

Moon, Earth (ocean floor, plate boundary, plate tectonics, driving force), asteroid belt and differentiated meteorites, origin of Jupiter's Great Red Spot, all sources verified by Abduction

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Purpose of science is to explain all Mysteries of Universe. So far, Laws of science and Truth have been explored by Induction and Deduction. Since the quest for origin does not go back in time, Initial state was unknown. Creative reasoning and evaluation are important in exploring Origin. It is a method called abduction that is evaluated based on Results of evolution. Specifically, we propose **a New Model** and explain all Results (features) of One-time evolution in a unified manner.

In order to be a mantle-only moon in Giant Impact (GI) hypothesis model, it must accidentally hit Earth at a special angle of 30 degrees at a speed of $V_x=7\text{km/s}$. Calculated Lunar Orbital Energy($3\times R_e$) is only 1/20 of Actual Lunar, (GI) hypothesis could not be tested.

This is a new Hypothesis for Moon Formation Model. Instead of Giant Impact GI model (a protoplanet with a differentiated Mars size), we assumed **An Impactor (MI)** with **Lunar-sized differentiated Only Mantle**. Earth has a core (Fe + Ni) with half Radius, and its outside is covered with a mantle. Discovery that Moon is made of only Mantle is a major feature. In order to reproduce Characteristics even in GI hypothesis, we assumed various angles and velocities and calculated Mechanism of agglomeration without including Core in Debris, and searched for special conditions. However, Lunar orbital energy was only 1/20 of Current value. Impact energy given to Earth is about 2.5 times higher for GI than for MI. Therefore, in Collision of the GI model, Earth is completely deformed to Core, but in Collision of MI model, Core is intact, Earth mantle is missing, and Moon is emitted only in Mantle. In MI hypothesis, when Solar system was observed because of Inevitable formation of a moon-sized mantle impactor, it was found that Planet was missing at Position of the asteroid belt according to Bode's law. Assuming that Missing planet was destroyed by accidental collision, Debris splatters in all directions and cannot aggregate.

"Inevitable Collision Idea" (Core+Mantle change Only Mantle)

Hint is Comet Shoemaker Levi Ninth, which left a line of traces on Jupiter and set a good example of a tidal rupture. Problem is the mechanism by which a circular orbit CERRA (protoplanet of Mars size at Ceres) becomes an elliptical orbit with tidal rupture. Due to Perturbation of a massive gas planet born around Sera, Angular momentum of Serra was absorbed by Jupiter and flattened Serra's orbit. With Law of orbital energy being constant, Serra ruptures due to tidal forces where the attractive forces of Sun and Jupiter balance each other, and Mantle fragments are arranged in a line like a Train and orbit Same elliptical orbit.

Collision with Earth occurs at Intersection of this elliptical orbit and Earth's orbit every meeting cycle. Speed and Angle obtained by theoretical calculation are 12.4 km/s and 36.4 degrees. Although Impact velocity is higher than Secondary space velocity of 11.2km/s, Current lunar orbital position can be easily explained by considering Coefficient of restitution. Earth's Mantle is denser near Center, and Ejected Earth Mantle pieces are eccentric and Outer surface is covered with **Mmelting Mantle**. However, Crater formed during Heavy Meteorite Bombing Period becomes a Black Moon Sea when Inner Basaltic Material remelts and flows out. Back side is Same Andesitic Breccia, so Sea is not formed and it becomes a Desert

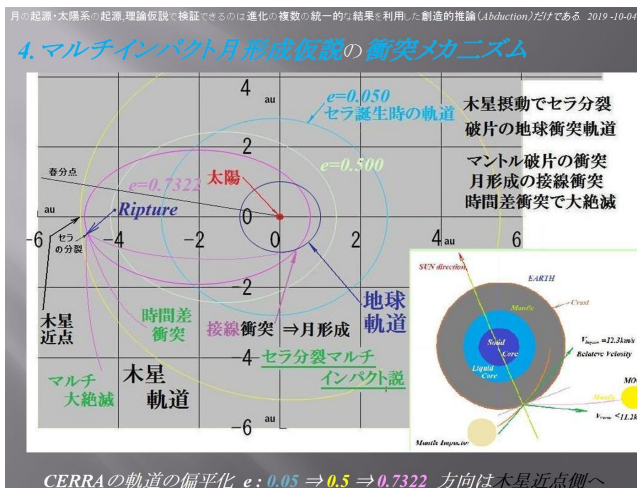
of Moon.

Emitted Moon is eccentric and Earth rotate each other around Common center of gravity. Heavy side (surface) is stable near Common Center of Gravity. Heavy side (surface) is stable near Common Center of Gravity. So Surface is always facing Earth, so Backside is not visible from Earth. Origin of Earth could all be explained by MI.

In this “**Multi-Impact Hypothesis**” , Origin of Earth is further described as [Deep ocean floor of Earth] [plate boundary] [plate tectonics] [driving force] [rapid change in plate movement direction] [start of overlap between plates] [return Pacific arc shape Explanation of archipelago/back-arc concave basin/trench] [Antarctica cessation] [Transform fault] [Hirakawa Formation] [Eccentricity of Van Allen Zone] [Earth field reversal] [Inclination of earth axis] did it. As Origin of Solar system, [feeding zone] [asteroid belt] [differentiated meteorite] [Love pile asteroid] [**Great Red Spot of Jupiter**] [Mantle of Pluto] [Core Rich of Mercury], [Impact **velocity** and **angle of Mantle fracture**] can be calculated from Theory, and [Moon Eccentricity] [Why Lunar sea concentrates on Surface] [Reason why Moon always faces Earth] could be explained in a unified manner, which helped to clarify **Missing link in End of Hades**.

It can be said that it was **completely verified** by **Abduction**. cf. S-IT25 (May 26A05), M-IS22 (May 24, 201B)

Keywords: The method of examining the mystery of planet origin is an abduction that can come up with a groundbreaking model and unify the multiple present conditions of the results of evolution., Multi-impact hypothesis, Giant impact hypothesis, creative inference of evolution , Origin of Moon, Lunar orbital energy, the moon always faces the earth, the surface has a lunar sea, the mantle only the moon, Origin of Earth's Ocean Bottom and Plate Boundary, Plate Tectonics, Driving Force, Earth's Rotational Axis, Rapid Change in Plate Movement Direction, Start sinking of Plate, Origin of the asteroid belt, Differentiated Meteorite, Jupiter's Red Spot, Pluto, Mercury's core / mantle ratio,, Cardinal Pacific Arc Islands and a back arc ocean basin and the trench, Abduction (Creative reasoning), Induction, Deduction



6.地球

Abduction

①環太平洋
洋弧状列
島の起源、

② 深海洋底の起源と

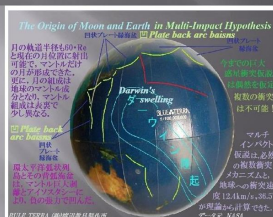
アイソスタシ
ーによる凹
プレート of

形成メカニ
ズム
③プレート

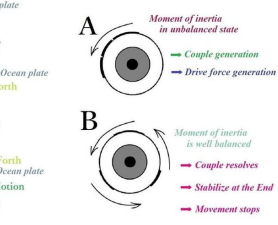
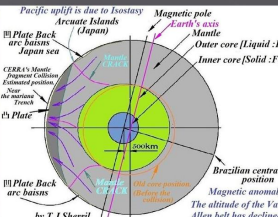
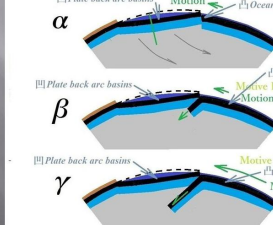
相互の重なり始めのメカニズム

④ 驅動力
(偏芯慣性)

モーメント)



Abduction to verify The Origin of the Asteroid belt in Multi-Impact Hypothesis



月の起源・太陽系の起源、理論検証（検証できる）は進化の複数の統一説の結果を利用した創造的推論(abduction)だけである。 2019-10-04

まとめ 地球と月の起源の謎を、**マルチンバンポ仮説**で統一的に説明できた。

1. マルティンバンポ衝突が、地球マントル内側低密度層を射出して、地球マントルが偏出し、**月は地球マントルの一部として誕生**した。**地球と月の起源 2004 U6P-P24**
2. 地球と偏出した**月が共通重さの関りをもつる公転するのを、偏出した月の重い軌道射出された地球マントルの内側の高密度にも偏出が中心に常に向き、月の深(来因)が地球から常に見える壁を説明でき、他の仮説では不可能。**
3. さらに、月が出た時の陰影地球のマントルより月表面をカバーしても、表側は下の玄武岩質のマントルが露出して、時に海と陸地、真面目に地球マントル内側まで海が深い。
4. 地球半径6400kmの表面7割を占める深さ4.5km海洋底の射離時→アイススタシーの平衡。
5. プレートテクトニクスとの関係の謎、何故太平洋の海の隅々からプレートが出て、マントルに亀裂が入った事で、約10枚のプレート境界の起源となってきた。
6. 遠大赤道は引張り、重力の相互作用は、マルティンバンポ衝突より射出て地球マントルの欠損で、アイススタシーの際より膨らみ隆起した時、流体コアの偏出し欠損周回のマントル凹陥海も同時に起こったのが遠大ウーイン隆起列島と背弧凹陥海の起源である。**南緯度衝突**はディチス海の形成の時にジャワ島弧とはマラヤ半島の起源であり、**北緯度隆起の原因**である。
5. プレート駆動の謎、今までの熱対流仮説の矛盾は、深海洋底形成メカニズムの欠除とトランスフォーム断層の非対称性と、太平洋プレートの移動方向違いと、プレートが鋭も断裂も無く球殻のように動く事平等と、進行方向よりプレートの下に滑り込んで行きておいた。

これは、アセシアファーストと呼ばれる条からマルティンバンポの上、リソスフェアと呼ばれる低温の剛性の層があり、地球の慣性エネルギーアンパルスによる偏力やリソスフェアが連続的に駆動される、**月が必然起源の時、地球だけの月の謎は、2014 U06-P24**に既に説明している。

当月月軌道 [60×Re] の謎や地球が常に地球に月の海澄けを向ける謎も(P107)で述べた。

7. 水星からの地球型星環のコア/アノール比が約2倍の謎(発表済,P106で再計算)
×(ジョイアストンバンポ仮説)2014 U06-P24にて、導き出すことができます。
8. 木星大赤斑の謎 “地球と月の起源”2014 U06-P24にて、最初に説明済み。
9. 小惑星帯起源の謎 “地球と月の起源”で、最初に説明済み。
10. 地球への分化した陰石の謎 同上。

リュウグウ・イトカワの起源、小惑星帯の起源——分化は何時・何處で起きたのか？ 惑星の起源をAbductionで説明した 2019-10-04

4. Moon injection, High density inside the Earth's mantle, The Reason is why Moon's rabbit always faces to Earth

The injected moon has a density difference in the Earth's mantle.

The melting mantle at the time of collision covers the melting mantle at the time of

Because the back of the moon was formed in the Earth's mantle near the

collision covers
Earth's
Solid
surface,
Even if melted, it is the same as the
cover; so it does not become the moon

cross section Core
Liquid Core
sea (for a black rabbit).
 $V_{Impact} = 12.4 \text{ km/s}$

Impact Angle $A=36.45^\circ$

偏芯の理由=密度差

is as dense as the inside

$V_{\text{Eject}} \leq 11.2 \text{ km/s}$

Eccentric Moon

Reason for eccentricity = Because of the high-density mantle as the inside of the earth