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Letter

Earth Internal-Mountain Water Model Release: Water can Flow Upwards

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Abstract: Old words "People go upwards, Water flow downwards". The new mathematic physics model of underground water circulate was built. This model was based on Newton attract force equation deduction. Build rigid balls arrays by Finite Element Method, and consideration highland, mountain, river, sea, and underground earth layers components to build the model. To release highland or mountain self-mass produce attract force make the underground water flow upwards. Its mean water on earth's surface flows downwards, while water under highland or mountain can flow upwards. This model can explain why exit mountain spring, why well supply water, why river source from highland. Some examples, such as Babylon Hanging Garden, for this Earth Internal-Mountain Water Model to illuminate how water flow upwards under mountain in sometimes. This Internal-mountain water model must help for water resource development, sea water desalinate, sewage processes, and other earth water cycle research.

Keywords: Earth, Water Resource, Flow Upward, Attract Force Equation, Internal-Mountain Water Model

1. Introduction

Water resources development was a base work in human life [1], such like as water for animals and plants. Every day, people consume trillions of tons fresh water for life and productions [2]. So fresh water resources [3] were very important for life and lives. There exit many problems in water resources development, such as river sources mechanism [4], sea water desalted [5], sewage water processed [6], and so on. Why the river sources [7] often be from mountains areas? Why mountain spring [8] flow out water? Why some sea island have fresh water [9] sources? How karst cave [10, 11] forming? How Babylon Hanging-Garden [12] built and work? These problems have been not clearly determined.

This paper used Newton attract-force equation and its deductions [13] to build mathematic physics model. From this model, it has been used to explain the Galaxy problems [14] and Sun light emissions [15]. When the model was used to explain earth structure problems, it was found that the water circulation underground layer might be explained by this model, which views mean the water internal mountain may flow upwards.

2. Results and Discussion

2.1. Mathematic Physics Model

Mathematic physics model build rigid pyramid balls (Figure 1) based on Finite Element Method to simulate the attract force situations of internal mountain. By use Newton attract equation deduction [1] F/G=[(M1*Mx)/(R1^2)] - [(Mx*M2)/(R2^2)] (Eq. 1), to calculate the attract force of rigid balls and show the results in Figure 2. From the arrow directions, it was shown by calculation results from model that internal mountain received upwards attract force. So the water under mountain situations can be deduced to flow upwards (Figure 3). The mountain self-mass make attract force to attract underground deep layers water upwards flow, to form spring, river sources, and wells, which named as Earth Internal-mountain water model, to release underground water movement situations based on attract force equation model. So there were some examples were took to show the model used to explain how the internal-mountain water flow upward.

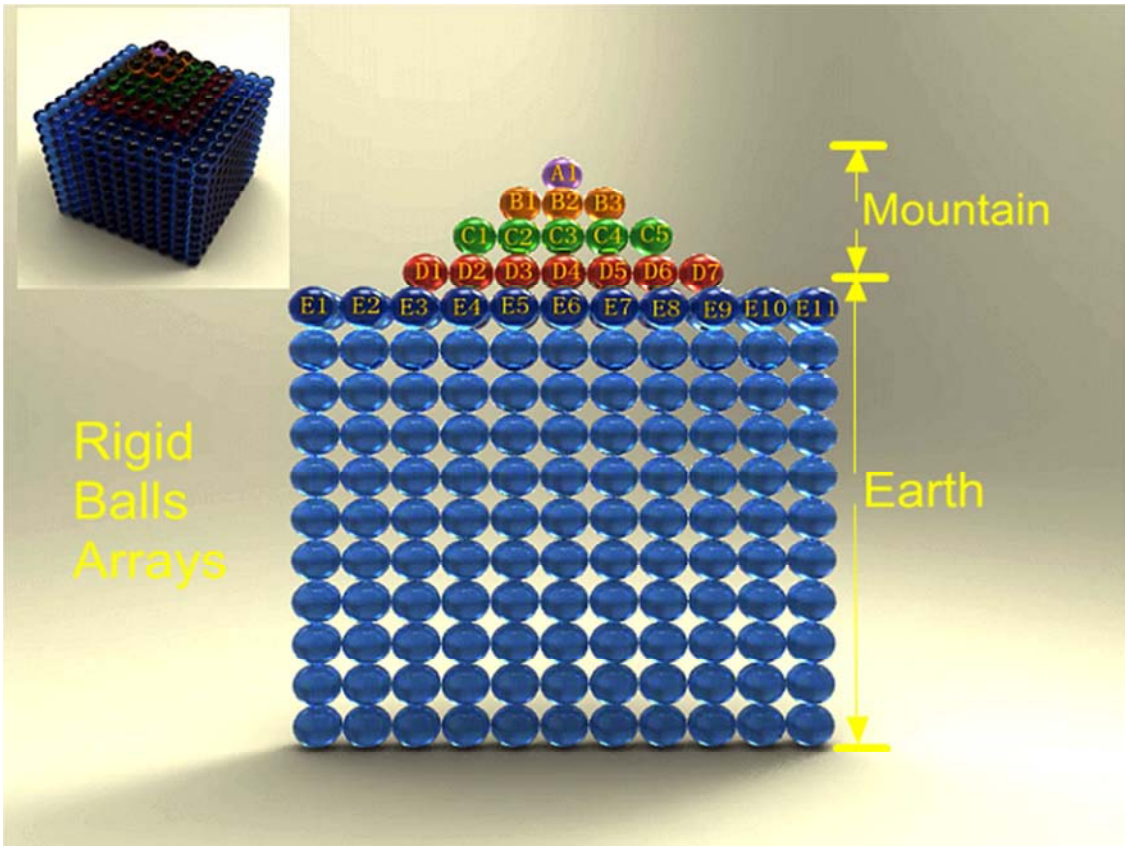

Figure 1. *The rigid balls arrays build the Earth Internal-mountain water model. Every ball was 1 Kg mass, and 1 m diameter. Using Newton Attract Force equation and deduction to calculate every ball received the attract force. The blue balls were regarded as earth body. The colored pyramid ball-arrays regarded as mountain body. This model used Finite Element Method and simulate the points inside mountain received attract force situations.*

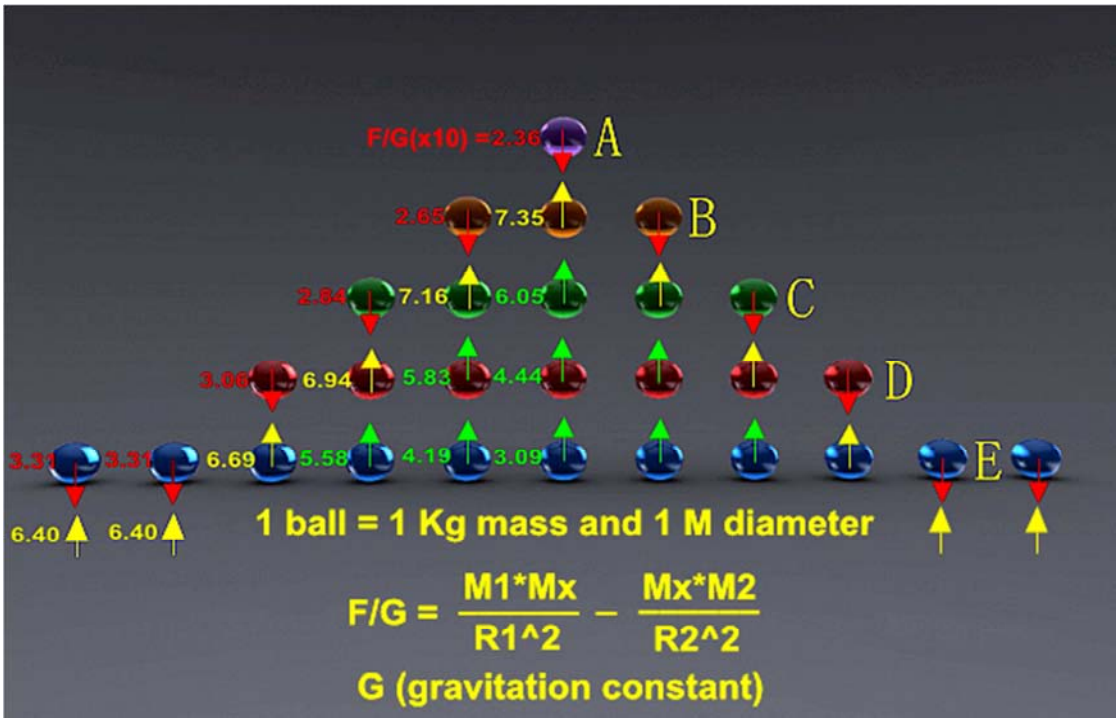

Figure 2. *Earth Internal-Mountain Water Model picked out A to E layers balls from Figure 1. The Eq. 1 was used to calculated out every balls received attract force (F) in vertical component. The F/G (X10) was listed asides. The surface layers balls all received attract force downwards. The internal pyramid layers balls received attract force were upwards. The arrow marked the attract force directions in vertical component. The data aside showed the relativity strength. The internal mountain points received upwards direction attract force. The red arrows all downward, the yellow and green arrows were all upwards.*

Figure 3. *The illuminate for Earth Internal-mountain water Model. The arrow noted as points received attract force directions. The arrow direction situations were due to the calculation results shown in Figure 2. The blue curves were the water flow. The internal mountain water flows upwards under internal mountain attract force. At the half of mountain form spring to flow water. And run to be river flow downwards along the surface of earth. The spring can be regarded as river source. The river run and flow to sea.*

2.2. Examples Explained by Model

First example for Three Rivers Sources region of Yangtze River, Yellow River, and Lantsang River exit on elevation 3500-4800 meters Qingzang plateau, the roof of world, Tibet of China. At these region lots of web canals distributed on the plateau, to form the sources of several rivers, which was called "Chinese Water Tower". Where the water came from? The traditional views were the rainfall and snow melt water gathered to form river. While using this Earth Internal-mountain water Model, it can be deduce that Three Rivers Sources water was came from underground layers. Considered Figure 3, high elevation Tibet form high and large mass mountain bodies, to attract the deep underground earth layers' water, these underground layers might connected through deep sea earth layers. The Tibet plateau huge mass attract the deep layer water, and send to about 5000 meters high elevation levels internal plateau, and the water seepage from earth layers gaps and stone splits, and water gathered the rivers and flow downwards to sea. The Earth Internal-mountain water model can well explain the Three Rivers Sources water came from, that is from deep underground aquifer.

The second example was for mountain spring. Why spring always connected with mountain. Many spring and brook from the half mountain and flow downwards to the foot of mountain. Where the spring water from? The traditional view was gathered rains. While many spring were not connected with rains, and still flowed water year in year out. By the Earth Internal-mountain water model, the mountain spring water were from deep underground aquifer, which water flow upwards internal mountain bodies under the mountain self-mass up attract force and water seepage stone layers to for spring and water gathered to brook. Considered Figure 3, the Earth Internal-mountain water model can well explain water coming of the mountain spring water sources.

The third example was for Karst cave. Karst landform was $CaCO_3$ limestone, which can micro-dissolvable by water. Considered the Earth Internal-mountain water model, the Karst mountain bodies attract deep underground layers' water, and the water flow upwards at internal Karst mountain bodies, then limestone dissolved and erosion by water, lead to Karst caves, in where exit lots of stalagmite and stalactite. The Earth Internal-mountain water model can well explain how the Karst cave formed internal limestone mountain bodies.

The fourth example was the sea island has fresh water. Fresh water always found on the hill of Island. The hill self-mass attract water from deep underground aquifer, and flow upwards to half hills, seepage to fresh water spring. It was notified that sea salt water filtered by the earth stone layers, the salts can be filtered away and the fresh water were

send to high internal hill bodies, and then spring out fresh water. So many sea islands have fresh water sources. The Earth Internal-mountain water model can well explain the sea islands fresh water sources, and this model can produce fresh water, which have significant meanings for sea water desalt, and develop fresh water resources.

More, the fresh water of an island is usually come from rain and transfusion, while this Earth internal-mountain water model might support another water sources for sea island fresh water spring. The sea island hill spring gave fresh water, based on internal-mountain water model, the water were from sea. Why sea water through this model system change to be island fresh water spring, one reasonable explain was the earth layer filter away the salts in sea water, and traveled through this model earth layers and hill body to form fresh water, and then flow out through some crack to spring flow. So the earth layers might filter and desalt sea water. Some sea island springs have perennial and four seasons ration flow amount, the rain or snow water might be not support these relative stable and huge water amount. The internal-mountain water model can explain the water from deep earth layer, and keep spring relative stable water flow amount.

The fifth example: Babylon's Hanging Garden was famous world miracle. Big hill hanging garden grew beautiful plant with mysterious water supply system. Deduced from the Earth Internal-mountain water models, it was easy to analysis the hanging garden's water from. The hanging garden was big hill body which might be heap up by earth and stones. When hill formed, the hill body mass began to attract deep layer water up and into hill body. When water gather internal hill, the plants were easy to grow on and to take hanging garden, sometime there may have brook flow out of half hill. So the hanging garden can be well explained by Earth internal-mountain water model.

The Earth internal-mountain water model explain the flow upwards internal mountain, which might be contrary to the law of energy conservation. While the model describe the water received upward attract force, which attract force were from mountain self-mass. The huge mountain mass be there over high and attract deep layers water flow upwards. The mountain self-mass produce attract force offset the downwards gravity potential energy. So the Earth internal-mountain water model obey and was not conflict to the law of energy conservation.

This model base on Newton attract force, while the water flow upward might be out of normal knowledge. Common sense, hill spring is due to confined groundwater, only when a well connect to the pressed water and the top of well is lower than the top of the confined groundwater. The well water can flow leveled, which under water at half of well. This Earth internal-mountain water model explain mountain attract deep layers water to high parts of internal mountain, might be regarded as "high building well", the mountain internal water flow out at half mountain to form spring or river source, which same as "high building well" flow leveled.

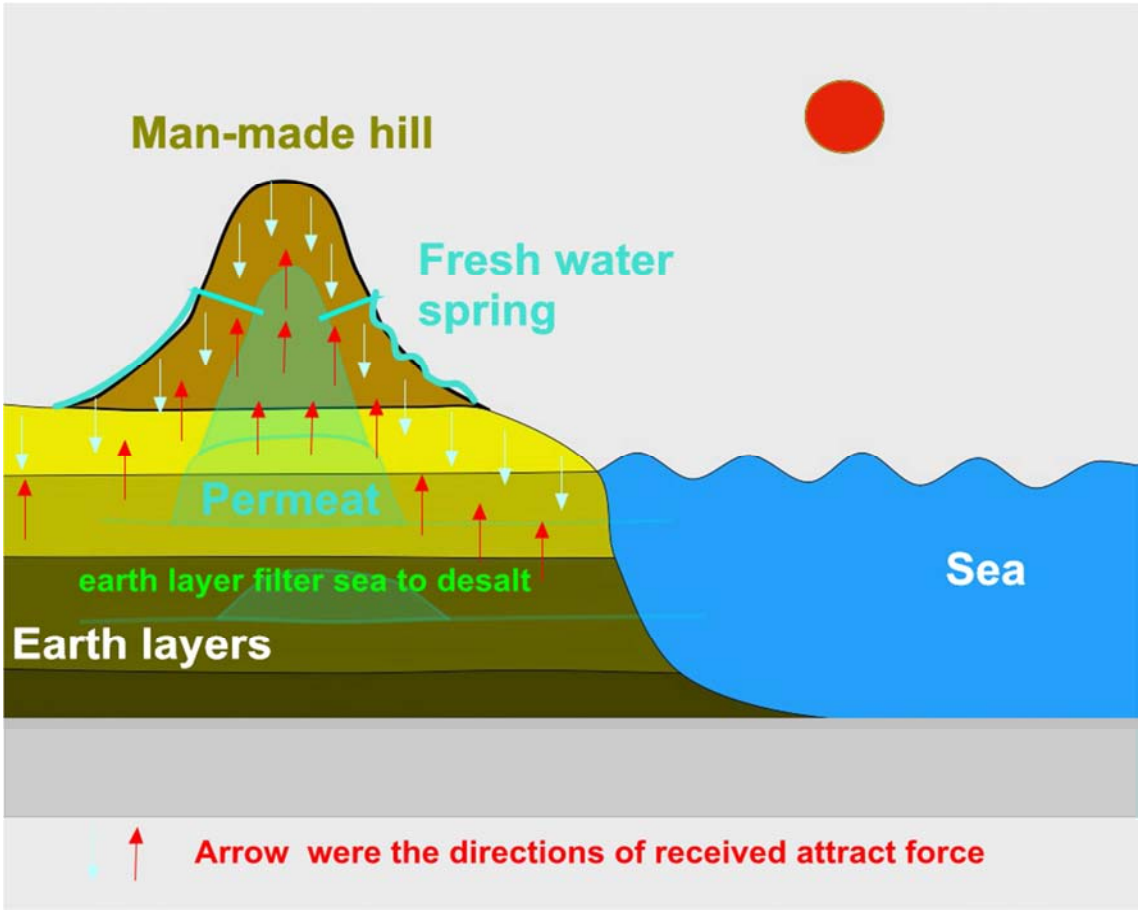

Figure 4. *The man-made coast hill to support fresh water designed from Earth Internal-mountain water model.*

2.3. Design of Model

Man-made building earth-layer high-land water-circulate-system for water resource development, that builds high mass tower or hill can attract underground water to surface or higher. These high mass tower or hill methods can supply dry areas people with fresh water from underground layers. It is great to used Earth Internal-mountain water model to re-realize the Hanging Garden, to heap hill body attract under earth deep layers water up to grow plant. And further built man made hill near coast shore, the hill attract water from earth layers, which water may from sea water. The ideal situation that the coast earth layers might filter away the salts in sea water, which the near coast sea hill should supply fresh water out, that form sea-desalted hill system (Figure 4). Base the model, the sea shore, island, or desert areas can support fresh water by built man made hill. Coast hill was designed to sea water desalted, sea island can build high mass tower to attract deep earth layer water to earth surface, the earth layers of island may filter salts and supply fresh water to high mass tower. Sewage processed system that high mass tower or hill with filter layer may be used to sewage processes, to make pollution water re-clear.

3. Conclusion

This Earth Internal-mountain water model built and can explain river-sources, mountain spring, Karst cave, island hill fresh water, and the principle of Babylon Hanging Garden. The manmade hill can be designed to explore water resources, filter sea salts, and sewage processed, which based on this model. This model must help for earth water cycles research, water resources development, and will improve Earth physics researches.

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