Stamec-Gravitism: A Simple Theoretical Study to Inspire a Prototype Fabrication for Mobile Perpetual Electricity Generator

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Abstract

This novel research presents a theoretical work and its simple simulation as a breakthrough way to derive a mobile electricity apparatus with the weight of ~5 kg generated by an eternal gravity force on earth. The theoretical research was extracted in such a guide simply by incorporating statistical mechanics, classical mechanics and basic theory of electricity and magnetism. In the above-mentioned smart calculation, ones obtain the definition of a constant temperature particularly in isothermal environment nature. Furthermore, by solving the whole basic physics relationship with gravity source of power, the electrical energy formula was excerpted with the simplification through a Stamec-Gravitism: a simple theoretical study to inspire a prototype fabrication for mobile perpetual electricity generator. Furthermore, the work is sustained with its simulation results to find out the working physical parameters for normal use of alternating current (AC) electricity system with frequency of 50 Hz and electrical power of ~100 Watt for each proposed apparatus. This research suggests a bright future for the light mobile electricity generator for the needy and the poor in every different nations and tribes consisted of thousands of small islands because it does not need battery storage to work in any different conditions and weather so that such novel work can contribute in a large scale to mitigate natural disasters on earth by implementing it in all human being daily activities based energy uses.

Keywords: Theoretical study, Stamec-Gravitism, Mobile Perpetual Electricity Generator.

NEW INVENTION

I. Introduction

Integrated works using diversity philosophy [1] in creativities based on creative and innovative critical thinking and intelligent works [1-19] according to smart development of renewable energies have become an important collaborative factors to solve the energy crisis associated with environmental problems due to the exponential growth of human being up to ~ 8 billion people on earth particularly in the European Union, Russia, United States, China, Indonesia, Australia, India, and Brazil. Moreover, a protective ecology exploitation sustained by
proper policies and its strategies policies generated and observed by relevant statistical departments and authoritative institutions in a country with good governance could enhance energy efficiency and trim down greenhouse gas emissions mainly from coal, natural gas and oil as well as nuclear energy in order to tackle the world wide global warming [20-51].

Recently, the principal types of renewable energy sources adapted to different stages of brilliant technology development which are free of labors consist of at least the following 7 energies of (i) wind, (ii) solar, (iii) biomass, (iv) geothermal, (v) ocean, (vi) hydropower (water), and (vii) hydrogen, respectively. These all sources of green energy needs excellence storage device like mobile battery with a very effective charge time and strong ability in different weather and conditions [52-57]. Through such implementation of related renewable energy technologies, the reduction of carbon emissions, the share of electricity in daily energy consumption and energy implementation efficiency to society can be dramatically improved in many divergent ways. For example: the use of sea surface current ~ 1.0 m under the ocean surface called as tidal wave has key advantage as a renewable energy source because of the tidal cycles are predictable, unlike conventional wind and solar energy, which are highly susceptible to weather fluctuations. However, everything in the world may be exponentially distorted due to a complex broken environment system closely linked with huge growing of human being industrial companies, business traffics, residential apartments, electrical mobile power generators, and vehicles traffic activities due to the exponential increase of people in every different countries so that the price of free labor renewable energies become expensive. In addition, graviticity is a kind of electrical generator working based on the vertical move of a very heavy load in about 150 m distant deep underground to obtain a large electrical power (~MW). Figure 1 describes a general picture of renewable energies and graviticity (one of gravity technology) according to their nature in universe. On the other hand, Fig. 2 shows the origin of gravity in our expanded universe. The wavelength of gravity is close to infinite or much longer than that in electromagnetic field so that there is no radiation at all. Such type of wave has very weak interaction in comparison with electromagnetic interaction in nature. In addition, gravity has no different in both quantum size such as in atom or nuclear and bulk/ macroscopic size of matters [51]. Furthermore, the existence of gravity has been very precisely measured using a simple pendulum system and interferometry Michelson [7]. The integrated physical parameters that mostly influence gravity are temperature ($T$), pressure ($p$) and the interaction speed ($v_i$) of two related objects in a system inside universe before the big bang (Plack time of $\sim 10^{-43}$ s) or in the physical system of strings interaction according to M-theory.

In present distinguished paper, a simple theoretical study based on a derivation of theoretical understanding depicting in Fig. 3 by incorporating three important classical physics such as statistical mechanics (Stat.Mech.) as a starting point consisted of mechanics and thermodynamics, gravity, and electromagnetism in an integrated mobile system is proposed for the first time to
inspire a prototype fabrication for mobile perpetual electricity generator. The aim of the use of gravity energy is solely because of the consideration on its eternal presence in universe with its super giant in super weak radiation, free in eternal nature, and no harmful radiation at all. The theoretical physics works with the output name of such interesting mobile energy device were Stamec-Gravitism extracted using a deep understanding of the collaboration among Stat. Mech., classical rotation mechanics linked with gravity, and electromagnetism system associated with the former two. Such novel invention is very different from graviticity which was generated using a steady state of vertical heavy system machine in a deep ~150 m underground. In addition, it is free of the use in battery storage to work in any different circumstances. This research suggests a bright future for the light mobile electricity generator for the needy and the poor in every different nations and tribes consisted of thousands of small islands because such novel work can contribute in a large scale impact to mitigate natural disasters like floods, hurricane, tornado, earthquakes, unstable ocean impacts, and so forth on earth generated by the complicated problems of daily use energies by human being as well as their culture and mental problems [58-60].
Figure 2. Illustration of the origin of gravity in our expanded universe extracted from the whole physical parameters in nature including the presence of dark matters before the big bang.

Figure 3. The main idea to employ eternal energy in universe by using gravity eternal power of its presence in universe. Some insets embedded in the illustration were courtesy according to excellent works of world scientists published in Nature (1869), UK and Science-AAAS (1848), USA.
II. Theoretical Method and Prototype Design

A theoretical model with its simplification was derived according to Fig. 4 consisted of 4 steps as follows: (1• I) Proposed theoretical prediction by linking all possible effective ways to solve the use of gravity as energy source, (2• II) and (3• III) are calculation procedures by employing the understanding among statistical mechanics, classical mechanics of rotation system and electricity and magnetism knowledge, as well as (4• IV), a design prototype of possible perpetual mobile device.

![Diagram](image-url)

Figure 4. A simple prototype design of Stamec-Gravitism perpetual mobile device based on (1• I) proposed theoretical prediction, (2• II) and (3• III) calculation procedures, as well as (4• IV) a design prototype.
2.1. Proposed statistical mechanics theory for its links with gravity

The inset in Fig. 4 shows detail theoretical physics of research process in extracting the use of gravity as electrical generator source. The starting point of simple mathematical physics of universal gravity is defined as follows

\[ F_g = -G \frac{m_{bg} m_E}{r^2}, \]  

where \( F_g \) is gravity force (N), \( G \) is universal gravity constant \((G = 6,67384 \times 10^{-11} N \left( \frac{m}{kg} \right)^2) = 6,67384 \times 10^{-11} m^3 kg^{-1} s^{-2}), \) \( m_{bg} \) is mass of energy generator (Kg), \( m_E \) is earth mass \((~5.972 \times 10^{24} Kg\), and \( r \) is the distance of the Stamec-Gravitism generator to the earth core (m). In addition, the average earth radius \( r_E \) is about 6371 \times 10^3 m.

The work associated with such gravity force as described in Eq. (1) can be written in the following Eq. (2):

\[ W_{bg} = F_g ds, \]  

where \( W_{bg} \) is Work (Joule), and \( ds \sim dr \) is the position shift (m). By integrating Eq. (2), we find out Eq. (3):

\[ W_{bg} = \int_{r_i}^{r_f} -G \frac{m_{bg} m_E}{r^2} dr, \]  

where \( r_f \) is final distance of work (m), and \( r_i \) is the initial distance (m). The result of Eq. (3) is shown in Eq. (4):

\[ W_{bg} = -G m_{bg} m_E \left[ -\frac{1}{r_f} + \frac{1}{r_i} \right]. \]  

Equation (4) shows that the gravitational work happens when 2 masses are attracted into their center of mass proportional to the shift reversed of their position change.

In order to derive a relationship between the mass of energy generator energy \((m_{bg} (S, H, T))\) and temperature of system, Eq. (5) was used as a common thing in physics

\[ Q = m_{bg} C \Delta T, \]  

where \( Q \) is heat (Joule), \( C \) is specific heat \((J/Kg.K), \) and \( \Delta T \) is temperature change \((K)\). By a special work of physical understanding, we obtain a definition of temperature in the case of isothermal (a physical system under a constant temperature) or \( Q = W_{bg} \) due to the internal energy \( \sim 0 \) in conjunction with the theorem derived by a Germany scientist, Rudolf Clausius (1822 – 1888) in thermodynamics, \( dQ = TdS \) is the amount of heat absorbed during the transformation, where \( dS \) is entropy change \((J/K)\) as depicted in Eq. (6):

\[ T = \frac{T_f - T_i}{\ln(T_f/\ln T_i)} = \frac{\Delta T}{\ln(T_f/T_i)}. \]  

The beauty definition of this hidden constant temperature for thousand of years in Eq. (6) is for the first time shown that temperature is actually a division between the temperature change \((\Delta T = T_f - T_i)\) and the logarithm \((\ln)\) of \((T_f/T_i)\). For example: a measured constant temperature \( T = (34.10 \pm 0.05) C^0 \) is actually defined as
\[ \frac{T_f - T_i}{\ln T_f - \ln T_i} = \frac{(34.15 - 34.05)C^0}{\ln(34.15) - \ln(34.05)} = \frac{0.10 C^0}{3.53076 - 3.52783} = \frac{0.10 C^0}{0.00293} = 34.13 C^0. \]

Such simple discovery illustrates that the creator (GOD/YaHWeH) is THE ONLY accurate inventor of His universe [58]. After such deep intellectual knowledge, we will then derive the interconnections among \( m_{BG} (S, H, T) \) with its entropy, \( S_{BG} \) and specific heat, \( C_{BG} \) under the influence of certain temperature. Equation (7) shows an original thinking with 3 simple steps of mathematical work for such investigation.

**Step 1.** \[ dS_{BG} = \frac{dQ_{BG}}{T} = \frac{m_{BG}C_{BG}dT}{T}. \]

**Step 2.** \[ \int dS_{BG} = \int_{T_i}^{T_f} \frac{m_{BG}C_{BG}dT}{T}, \]

**Step 3.** \[ S_{BG} = m_{BG} \left[ C_{BG} (\ln T_f - \ln T_i) \right], \]

or \[ m_{BG} = \frac{S_{BG}}{C_{BG} (\ln T_f - \ln T_i)}. \] (7)

The result in Eq. (7) explains that entropy is created by a mass and its specific heat constant under a temperature change.

On the other hand, enthalpy of the Stamec-Gravitism device is related to the total energy \( (E_{tot}) \) plus the work \( (W_{BG}) \) as rewritten in Eq. (8).

\[ H_{BG} = E_{tot} + W_{BG}. \] (8)

where \( H_{BG} \) is enthalpy \((J)\) of designed rotor under gravity influence as shown in Fig. 4, and \( E_{tot} \) is the total energy \((J)\). Furthermore, from the total energy in the proposed Stamec-Gravitism device, \( E_{tot} = E_k + E_p \), the kinetic rotation energy can be extracted as shown in Eq. (9) in which the rotation inertia moment, \( I_{SG} \) will be extracted later on in Sec. 2 according to the prototype design of the Stamec-Gravitism:

\[ E_k = \frac{1}{2} m_{BG} v_g^2, \] (9)

where \( v_g \) is the system velocity \((m/s)\). Finally such velocity of \( v_g \) can be derived and written in its relationship with gravity, \( G \) as follows

\[ v_g = \int_{t_i}^{t_f} -G \frac{m_E}{r_E^2} dt = -G \frac{m_E}{r_E^2} (t_f - t_i), \] (10)

where \( t_f \) is final time \((s)\) of system, and \( t_i \) is the initial time \((s)\).

By substituting Eq. (10) into Eq. (9), we find

\[ E_k = \frac{1}{2} m_{BG} \left( G \frac{m_E}{r_E^2} \right)^2 \left[ t_f - t_i \right]^2. \] (11)

Whereas the potential energy of \( E_p \) in the Stamec-Gravitism is defined as

\[ E_p = m_{BG} g r, \] (12)

where \( g = dv/dt \) and \( g \) is the gravity constant in which the device was located, for example on earth, \( g_E \sim 9.8 \text{ m/s}^2 \). As a matter of facts, the relationship between \( G \) and \( g \) in earth location is found as follows

\[ g_E = -G \frac{m_E}{r_E^2}. \] (13)

The energy potential is finally obtained by substituting Eq. (13) into Eq. (12):
\[ E_p = -G[m_{bg}m_E] \frac{r}{r_E^2}. \]  

(14)

Finally, the total energy as shown in Eq. (15) is the sum of Eq. (11) and Eq. (14).

\[ E_{tot} = \frac{1}{2} m_{bg} \left( G \frac{m_E}{r_E^2} \right)^2 \left[ t_f - t_i \right]^2 - G[m_{bg}m_E] \frac{r}{r_E^2}. \]  

(15)

The total enthalpy can be extracted by the summation of Eq. (15) and Eq. (4) in the following new form of Eq. (8):

\[ H_{bg} = \frac{1}{2} m_{bg} \left( G \frac{m_E}{r_E^2} \right)^2 \left[ t_f - t_i \right]^2 - G[m_{bg}m_E] \left[ \frac{r}{r_E^2} - \frac{1}{r_f} + \frac{1}{r_i} \right] \]

\[ = \frac{1}{2} m_{bg} \left( G \frac{m_E}{r_E^2} \right)^2 \left[ t_f - t_i \right]^2 - G[m_{bg}m_E] \left[ \frac{r}{r_E^2} - \frac{1}{r_f} + \frac{1}{r_i} \right] \]

\[ = m_{bg} \left[ \frac{1}{2} \left( G \frac{m_E}{r_E^2} \right)^2 \left[ t_f - t_i \right]^2 - 2G m_E \frac{r}{r_E^2} \left[ \frac{1}{r_f} + \frac{1}{r_i} \right] \right]. \]

(16)

where \( G_{gibbs} \) is free Gibbs energy(J). Thus, by substituting Eq. (16), Eq. (6) and Eq. (7) into Eq. (17), one gets

\[ G_{gibbs} = \frac{1}{2} m_{bg} \left( G \frac{m_E}{r_E^2} \right)^2 \left[ t_f - t_i \right]^2 - G[m_{bg}m_E] \left[ \frac{r}{r_E^2} - \frac{1}{r_f} + \frac{1}{r_i} \right] - [T_f - T_i][m_{bg} C_{bg}]. \]

(18)

Equation (18) shows that the free Gibbs energy is actually enthalpy without the influence of entropy and temperature. Another free Helmholtz energy, \( A \) invented by Hermann Von Helmholtz (1821-1894) was a free potential energy, \( U \) excluded by the entropy, \( S \) and temperature, \( T \) and defined as follows

\[ A = U - S_{bg} T, \]

(19)

where the free potential energy, \( U \) based on the first law of thermodynamics is the total sum of heat and work,

\[ U = Q + W_{bg}. \]

(20)

According to the first law of thermodynamics, the internal energy, \( \Delta E_{int} = Q - W \). While we can prove that by understanding the free potential energy, such free Helmholtz energy, \( A \) equals to \( W_{bg} \) as shown in Eq. (21).

\[ A = Q + W_{bg} - S_{bg} T. \]

~ \[ m_{bg} \left[ C_{bg} \Delta T \right] - Gm_{bg}m_E \left[ - \frac{1}{r_f} + \frac{1}{r_i} \right] \]

\[ - m_{bg} \left[ C_{bg} \left( \ln T_f - \ln T_i \right) \right] \left[ \frac{\Delta T}{\ln T_f - \ln T_i} \right] \]

Therefore, Eq. (16) explains the sum total of both energy and work in the Stamec-Gravitism apparatus. This enthalpy has a close link with free energy Gibbs discovered by Josiah Willard Gibbs (1839-1903), temperature and entropy as described in the following free Gibbs energy:

\[ G_{gibbs} \equiv H_{bg} - S_{bg} T, \]

(17)
\[ A \sim W_{bg}. \quad (21) \]

Equation (21) proves that a free Helmholtz energy is proportional to the work of a system.

### 2.2. Proposed simple rotation mechanical theory for designing the Stamec-Gravitism Apparatus

Based on Fig. 4, a simple rotation mechanical theory for such proposed design of Stamec-Gravitism apparatus was derived. The key point in such eternal rotor which moves continuously in an eternal time precisely is due to the presence of mysterious gravity with its infinite wavelength associated with no radiation impacts to surrounding environment of time and space. Moreover, such gravity can penetrate into atomic size system without changing the microscopic physics nature due to its extremely weak interaction. The only physical parameters that mostly influence gravity are an integrated temperature \((T)\), pressure \((p)\) and the interaction speed \((v_i)\) of two related objects in a system inside universe. Therefore, according to this deep understanding in gravity, we could propose an eternal rotor system that can generate electricity in a simple mobile electricity generator from one place to another place or from planet to another planet and so forth. We named it as Stamec-Gravitism perpetual mobile device for electricity generation. Starting from an ordinary design as depicted in the right inset part of Fig. 4, we chose two types of integrated cylindrical rotors with the small long-core and wide thin-shell radius of \(R_2\) and \(R_1\), respectively. Therefore, when such particular outer part in the rotor system was hit by small spherical solids due to unstoppable gravity force, we then can derive the total inertia moment, \(I_{SG}\) in the following equation:

\[ I_{SG} = \frac{1}{2} [R_1^2(M_1 + M_2) + M_1R_2^2], \quad (22) \]

where \(I_{SG}\) is the inertia moment of Stamec-Gravitism perpetual mobile device \(\text{Inersia (kg m}^2)\), \(M_2\) is the core cylinder mass \((kg)\), and \(M_1\) is the shell cylinder mass \((kg)\). As a matter of fact, the kinetic energy of the rotor rotation can be calculated with the well known formula in Eq. (23).

\[ E_{rot.k} = \frac{1}{2} I_{SG} \omega^2, \quad (23) \]

where \(\omega\) is the angular speed or rotation velocity, \(\omega = v/r \quad (\text{rad/s})\). This rotational kinetic energy is proportional to the thermodynamic kinetic energy, \(E_k\) in Eq. (11). The angular speed is then extracted to be

\[ \frac{1}{2} I_{SG} \omega^2 = \frac{1}{2} m_{bg} \left( \frac{m_E}{r_E^2} \right)^2 [t_f - t_i]^2, \]

\[ \omega = \sqrt{\frac{\frac{1}{2} m_{bg} \left( \frac{m_E}{r_E^2} \right)^2 [t_f - t_i]^2}{\frac{1}{2} [R_1^2(M_1 + M_2) + M_1R_2^2]}} \]

\[ = \frac{m_{bg} \left( \frac{m_E}{r_E^2} \right)^2 [t_f - t_i]^2}{[R_1^2(M_1 + M_2) + M_1R_2^2]} \]

\[ (24) \]
In addition, the torsion of the rotation in Stamec-Gravitism perpetual mobile device is defined as \( \tau_{SG} = r_{tot} F_g \), where torsion is in \( Nm \) unit and \( r_{tot} \) is the total radius length in the Stamec-Gravitism. This torsion can be simplified as

\[
\tau_{SG} = r_{tot} F_g \sin(\omega t), \tag{25}
\]

where \( r_{tot} = R_1 \). By inserting Eq. (24) and Eq. (1) into Eq. (25), we obtain

\[
\tau_{SG} = -G \frac{r_{tot} m_B G m_E}{r^2} \sin \left( \frac{m_B \left( \frac{G m_E}{r^2} \right)^2 (t_f - t_i)^2}{R_1^2 (M_1 + M_2) + M_1 R_2^2} \right). \tag{26}
\]

The angular momentum of such Stamec-Gravitism can thus be written as follows

\[
L_{SG} = I_{SG} \omega
\]

\[
L_{SG} = \frac{1}{2} [R_1^2 (M_1 + M_2) + M_1 R_2^2] \sin \left( \frac{m_B \left( \frac{G m_E}{r^2} \right)^2 (t_f - t_i)^2}{R_1^2 (M_1 + M_2) + M_1 R_2^2} \right). \tag{27}
\]

### III. Results and Discussion

#### 3.1. Electrical power generated by perpetual mechanical energy system in Stamec-Gravitism Device

In accordance with Fig. 4, there are two types of mechanical energy system and electrical system connected to perpetual Stamec-Gravitism rotor. Such common basic physics system is worked based on the eternal rotation of Stamec-Gravitism rotor which moves the electrical part and then generates electricity as the output. The mechanical power, \( P_{SG} \) (Watt) of electricity can then be derived as follows

\[
P_{SG} = \tau_{SG} \omega.
\]

\[
P_{SG} = -G \frac{r_{tot} m_B G m_E}{r^2} \sin \left( \frac{m_B \left( \frac{G m_E}{r^2} \right)^2 (t_f - t_i)^2}{R_1^2 (M_1 + M_2) + M_1 R_2^2} \right).
\]

Therefore, the perpetual mechanical energy, \( E_m \) (Joule) ~ \( P_{SG} t \) in conjunction with the electricity part can be obtained as

\[
E_m = -G \frac{r_{tot} m_B G m_E}{r^2} \sin \left( \frac{m_B \left( \frac{G m_E}{r^2} \right)^2 (t_f - t_i)^2}{R_1^2 (M_1 + M_2) + M_1 R_2^2} \right).
\]
where \( r \) is the distance (\( m \)) of the Stamec-Gravitism generator to the earth core.

### 3.2. The relationship between electromotive force (\( emf \)) and gravity energy

The electrical device which is worked based on the power in perpetual mechanical energy designed rotor in Stamec-Gravitism device system in the inset of Fig. 4 was chosen according to Michael Faraday electricity understanding of electromotive force (\( emf \)) with electromagnetic oscillations induced electric field and magnetic flux. Such natural logic of thought obeys the following formula:

\[
\Phi = B \cdot A \cdot \cos (\omega t),
\]

(30)

where \( \Phi \) is magnetic flux (\( \text{weber} \)), \( B \) is magnetic field (\( \text{Tesla} \)) and \( A \) is the area of electric field system (\( m^2 \)). To derive the resulted voltage (\( \varepsilon \)) in the Stamec-Gravitism device system, the use of both the first and second laws of Faraday is necessary stated that the magnetic change in a circuit wire causes the \( \text{emf} \), and the \( \text{emf} \) in a close electrical circuit is proportional to the differential flux velocity of magnetic field in certain time, respectively. Therefore, one obtains the following link:

\[
\varepsilon = -N \frac{d\Phi}{dt},
\]

(31)

where \( N \) is the number of turns per unit length of the solenoid in the electricity device embedded in the Stamec-Gravitism device. By substituting Eq. (30) into Eq. (31) and then differentiate it, the voltage \( \varepsilon \) is simplified as follows

\[
\varepsilon = -N \frac{d(B \cdot A \cdot \cos \omega t)}{dt}
\]

\[
= N \cdot B \cdot A \cdot \omega \cdot \sin (\omega t).
\]

(32)

Finally, the detail solution of resulted \( \varepsilon \) in the Stamec-Gravitism apparatus can be found by inserting Eq. (24) is the following form:

\[
\varepsilon = N \cdot B \cdot A \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \sin \left( \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \right) \cdot t.
\]

(33)

Moreover, the electricity current, \( I = \frac{\varepsilon}{R} \) in such Stamec-Gravitism apparatus is calculated as mentioned below:

\[
I = \frac{N \cdot B \cdot A \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \sin \left( \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \right)}{r}
\]

(34)

where \( R \) here is the system resistant in unit of Ohm. The total electrical power, \( P_E \) (Watt) produced by the apparatus is then obtained as

\[
P_E = \frac{\varepsilon \cdot I}{R} = \frac{N \cdot B \cdot A \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \sin \left( \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \right)}{r}.
\]

(35)

While the total electrical energy, \( E_E \) (Joule) is finally realized as Eq. (36).

\[
E_E = P_E \cdot t = \frac{N \cdot B \cdot A \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \sin \left( \sqrt{\frac{m \cdot (\frac{m}{r^2})}{M_1 + M_2}} \left( t - t_1 \right) \right)}{r} \cdot t.
\]

(36)
3.3. Simple calculation with its simulation to obtain the optimum size of mobile Stamec-Gravitism device

By simulating Eq. (35) and Eq. (36), we obtain the best physical parameters to harvest the output AC power ~100 W with frequency 50 Hz as marked blue color and described in Table 1. The results show that this mobile Stamec-Gravitism device can be developed and applied in many different areas conveniently with a cheap price of mass productions.

Table 1. The best physical parameters for Stamec-Gravitism perpetual mobile device in harvesting output AC power ~100 W with frequency 50 Hz.

| $M_1$ (Kg) | $M_2$ (Kg) | $R_1$ (m) | $R_2$ (m) | $\omega$ (Hz) | $\Delta t$ (ns) | $t$ (s) | $\omega$ (m/s) | $R$ (Ω) | $P$ (W) | $E$ (J) |
|-----------|-----------|-----------|-----------|---------------|-----------------|--------|--------------|--------|--------|--------|
| 3.9       | 1.1       | 0.3       | 0.02      | 50.16864      | 0.072           | 60     | 15.05059     | 0.55   | 99.6174 | 5977.04874 |
| 4.0       | 1.0       | 0.3       | 0.02      | 50.16641      | 0.072           | 60     | 15.04992     | 1.00   | 40.05074| 2403.04436 |
| 4.1       | 0.9       | 0.3       | 0.02      | 50.16419      | 0.072           | 60     | 15.04926     | 2.00   | 12.30228| 738.13673 |
| 4.2       | 0.8       | 0.3       | 0.02      | 50.16197      | 0.072           | 60     | 15.04859     | 3.00   | 2.90846| 174.50757 |
| 4.3       | 0.7       | 0.3       | 0.02      | 50.15975      | 0.072           | 60     | 15.04793     | 5.00   | -1.461 | -87.66021 |
| 4.4       | 0.6       | 0.3       | 0.02      | 50.15753      | 0.072           | 60     | 15.04726     | 7.00   | -3.31463| -198.87753 |
| 4.5       | 0.5       | 0.3       | 0.02      | 50.15531      | 0.072           | 60     | 15.04659     | 9.00   | -4.29834| -257.90017 |
| 4.6       | 0.4       | 0.3       | 0.02      | 50.15309      | 0.072           | 60     | 15.04593     | 10.0   | -5.34788| -320.87303 |
| 4.7       | 0.3       | 0.3       | 0.02      | 50.15087      | 0.072           | 60     | 15.04526     | 12.0   | -5.61018| -336.61053 |
IV. Conclusion

Every important work is not that easy to solve and realize due to a must understanding deeply by incorporating the beauty of critical thinking with the multitasking impacts to others. Here, our summary in a picture is a proposed Stamec-Gravitism derived by understanding a simple theoretical study to inspire a prototype fabrication for mobile perpetual electricity generator has been in detail explained with the prototype design is shown in Fig. 5 as a part of integrated Fig. 4. In addition, we also provide an open insight of wide multitasking applications of such device in every actionable insight implementation of human being daily use of energy as described in Fig. 6. While the output energy can be adjusted higher than 100 watt AC of ~50 Hz depending on the materials quality of Stamec-Gravitism and its modified mobile design.

Figure 5. A proposed Stamec-Gravitism with free of radiation in order to mitigate any disasters on earth by generating mobile eternal electricity from one place to another place easily, from island to island conveniently, and from continent to continent handily as well as from a planet to another planet appropriately.
Figure 6. Proposed multitasking applications of Stamec-Gravitism Mobile Perpetual Electricity Generator in all daily uses of energy of human being activities.

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Additional information

The authors declare no competing financial interest as well as any conflict of interest.
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