

Anti Atomic Bomb Nuclear Weapon

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Abstract— War has escalated on Earth, and atomic bombs nuclear weapon will literally destroy humanity. The invention and research of anti-atomic bombs nuclear weapon is an urgent task to save mankind. The atomic bomb is a forward positive modeling on Combined mechanics, quantum, electromagnetic, and fluid diffusion radiation model, and the anti atomic bomb nuclear weapon is a combined mechanics, quantum, electromagnetic, and fluid Absorb and new created inversion. This kind of material has been proposed and simulated in our important paper, 3D GL EM and quantum mechanical coupled modeling for the nanometer materials,. Because the light speed become to zero on the boundary of the GLLH cloak concealment, the nuclear radiation can not be enter to the concealment. The concealment is absolutely safe. In particular, our GLLH inner layer cloak can be developed as magic pocket anti atomic bombs nuclear weapon. From 2000 to now, we have been studying and developing invisible sciences and anti nuclear Atomic Bomb and anti earthquake for 24 years in LBNL of DOE and GLGEO in USA and in Dayuling Super Sciences Center in China. We did not studying developing Weapon, we studying developing anti weapon. We have read and Agree the Copyright Transfer Agreement for PIERS publication. The full patent and copyright belong to the author of this paper, people who using our this paper have to cite this paper. We call on “the country wishes another country good; the people wish for other person peace and security”.

1. INTRODUCTION

This old Taoist mythical story inspired us to develop sophisticated magical pockets by using super invisible science, in advance to create develop anti-atomic bombs nuclear weapon.

Because the light speed become to zero on the boundary of the GLLH cloaked concealment, the nuclear radiation can not be enter to the concealment The concealment is absolutely safe. In particular, our GLLH inner layer cloak can be developed as pokemon magic pocket anti atomic bombs nuclear weapo. From 2000 to now, we have been studying and developing invisible sciences and anti nuclear Atomic Bomb and anti earthquake for 24 years in LBNL of DOE and GLGEO in USA and in Dayuling Super Sciences Center in China We call on “the country wishes another country good; the people wish for other person peace and security”. This paper is organized as follows: The introduction is described in Section 1; Double layer cloak phenomenon has been discovered by GILD in 2001 is presented in Section 2; The GLLH invisible cloak is described in Section 3, In Section 4, we propose novel anti atomic bombs nuclear weapon; Conclusion is in the Section 5.

2. DOUBLE LAYER CLOAK PHENOMENON HAS BEEN DISCOVERED BY GILD IN 2001

In November of 2001, Under Professor Ernest L. Major leading, we running GILD modeling and nonlinear inversion [3, 4] to prevent another 9/11 terrorist attack. We discovered a novel double

Layer cloak phenomenon see Figure 3 and Figure 4 in [1] that can be used to develop invisible cloak and anti atomic bombs nuclear weapon. DOE and LBNL ESD director Professor Ernest L. Major very seriously value and support this discovery and develop research of the anti atomic bombs nuclear weapon.

The Figure 3 and Figure 4 in [1] show the double layer cloak. The report paper of the double layer cloak phenomenon “2.5 dimensional GILD electromagnetic modeling and application,” by Jianhua Li et al. published in *SEG, Expanded Abstracts*, Vol. 21, No. 1, 692–695, 2002 [2]

3. THE GLLH INVISIBLE CLOAK [1]

3.1. Formula (5) of [1]

There a slip of a pen in the formula (5) of [1], the (5) should be corrected to

$$\begin{aligned}\varepsilon_\theta &= \varepsilon_\phi = \mu_\theta = \mu_\phi \\ &= R_o / \left(2 \log \left(e^{\frac{1}{R_o}} (R_o - R_1) / (r - R_1) \right) (r - R_1) \right) \\ &\quad + 1 / \left(2 R_o \log^3 \left(e^{\frac{1}{R_o}} (R_o - R_1) / (r - R_1) \right) (r - R_1) \right),\end{aligned}\quad (1)$$

Compare above (1) with (5) of [1], in the fraction numerator of (5) in [1], the R_9 is slip to 1, in the denominator of (5) in [1], the R_9 is slip to 1. Our novel invisible scientific paper [arxiv.org/1005.3999](https://arxiv.org/abs/1005.3999) has been published in May 21, 2010. “GLLH EM Invisible Cloak With Novel Front Branching And Without Exceed Light Speed Violation” is proposed first in the world. The slip of the (5) in [1] has been corrected to (1) above in August 17, 2011. We thank Professor Hong Song Chen’s and Professor Kong’s (PIERS 2007 in Prague) concern The paper [1] also has been published in PIERS proceeding in Cambridge 2010 280–285. another 3 GLLH invisible cloak papers have been published in PIERS proceedings 2011 [11, 12] and 2016 [13]. These GLLH invisible cloak without light speed physical violation and their novel electric wave propagation and two wave front branching have been double confirmed by the negative space EM analytical wave solution propagation in arXiv [8] and in PIERS Proceeding IEEE [15].

3.2. Paper [Arxiv.org/abs/1005.3999](https://arxiv.org/abs/1005.3999) “GLLH EM Invisible Cloak with Novel Front Branching and without Exceed Light Speed Violation”

In the paper “GLLH EM Invisible Cloak With Novel Front Branching And Without Exceed Light Speed Violation”, The GLLH invisible cloak is created by Global and Local modeling and no scattering inversion [5, 6, 10] that is first paper in the world for invisible cloak without Exceed Light Speed violation The Novel front branching in GLLH cloak is never appear in other publication before. Let the angular dielectric and permeability parameters of GLLH cloak is created by transform, let R is basic space variable, r is physical space variable, Let $R(r)$ is primitive function of (1), i.e., (5) in [1], from (1) we have

$$\frac{dR}{dr} = \varepsilon_\theta = \varepsilon_\phi = \mu_\theta = \mu_\phi, \quad (2)$$

From (2), the derivative $\frac{dR}{dr} > 0$, when $R_o < 1$, in paper [1] [Arxiv.org/abs/1005.3999](https://arxiv.org/abs/1005.3999) $R_o = 0.47m$,

The novel GLLH topological transform, $R(r)$ in (3), one to one mapping concentric sphere annular domain $R_i \leq r \leq R_o$ in positive space onto the negative space domain in [8] $-\infty \leq r \leq -R_o$.

$$R(r) = -\frac{R_o}{2} \log \left(\log \left(e^{\frac{1}{R_o}} \frac{R_o - R_i}{r - R_i} \right) \right) + 1 / 4 R_o \log^2 \left(e^{\frac{1}{R_o}} \frac{R_o - R_i}{r - R_i} \right) + \frac{R_o}{2} \log \left(\frac{1}{R_o} \right) - \frac{R_o}{4} - R_o \quad (3)$$

We proposed the negative space theory in [8], (arxiv.org/abs/1706.10147, Novel Practicable GLHUA-i, $i = 1, 2, 3$, Invisible Cloak Absorb the Incident Wave and Create Outgoing Wave Without Exceeding Light Speed Propagation). Also our negative space is published in PIERS proceeding 2018, IEEE. Note that the figures in [8] is that the radial magnetic wave propagation in the GLHUA invisible cloak without exceeding light speed, that is different from radial electric wave propagation in [1]. By new negative space theory and EM wave sphere harmonic analytical method in [8]. We recalculate electric wave propagation through the GLLH cloak. We find that the exact analytical electric wave front propagation figures are as same as the left part of the Figures 13 and 14 in the pape [1] in 2010, and are very match approximate to the right part of Figures 9, 10, 11, and 12, in paper [1] these figures show that electric wave through GLLH cloak. We find that the wave front branching between the electric and magnetic wave in GLLH cloak are different. It is found that the wave front of Figures 9, 10, 11, 12, 13, in [1] are disconnect and novel wave front branching. The light speed become to zero on the boundary of the GLLH cloak concealment. The wave ray is discontinuous. The wave ray is died and born when r is going to R_i . The incident wave rays enter GLLH cloak are complete absorbed by GLLH cloak material. Any incident wave ray enter GLLH cloak can not continuous propagation go out though GLLH cloak, no have incident wave ray delay going to out of the cloak. Such that GLLH cloak neither exceeding light

speed propagation, but also complete invisible. Our GLLH and GLHUA invisible cloak is total different from Pendry cloak. There are infinite phase velocity and exceeding light speed violation In Pendry cloak. Ulf in [18] did criticized Pendry cloak's "fundamental problem is that perfect invisibility [14], i.e., ([5] in [18]) requires that light should propagate in certain cloaking regions with a superluminal phase velocity that tends to infinity". Ulf did admit in [18] that in his paper [17] "Broadband cloaking based on non-Euclidean geometries has been proposed in [32,33] to avoid the requirement for infinite light velocities for electromagnetic cloaking, however a fundamental problem still remains". In [18], ULF wrote that "The preprint [35] proposes a different method for cloaking without superluminal propagation.", The preprint [35] is our paper arxiv:1005.3999 which is Reference [1] of this paper. The above Figure I is Figure 10 in [1], Figure II is Figure 14 in [1]. In [18], ULF wrote "Measuring time delays or examining the phase fronts of light rays could reveal the presence of the cloaking device. This imperfection (9,22) is the price to pay for practical invisibility, whereas perfect invisibility (10) is not practical.". ULF non-euclidean cloak's imperfecting "time decay" is also fundamental problem. Pendry and ULF cloak's fundamental difficulties are insurmountable in the 3D positive space (conventional Space). Based on our negative space, the GLLH and GLHUA invisible cloak overcome these fundamental difficulties. GLLH cloak neither exceeding light speed propagation, but also complete invisible.

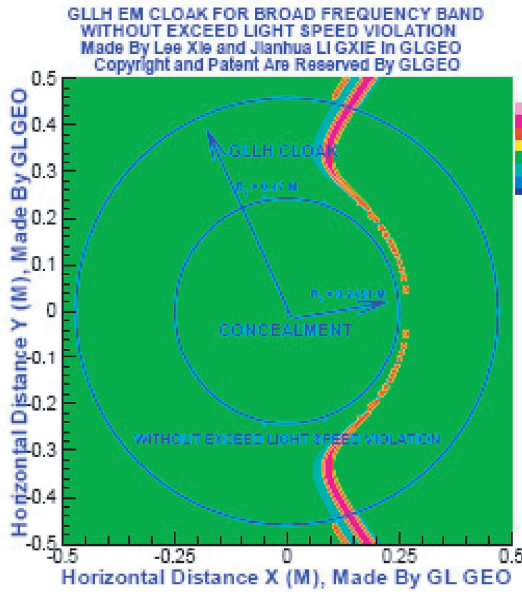


Figure I is Figure 10 in [1]

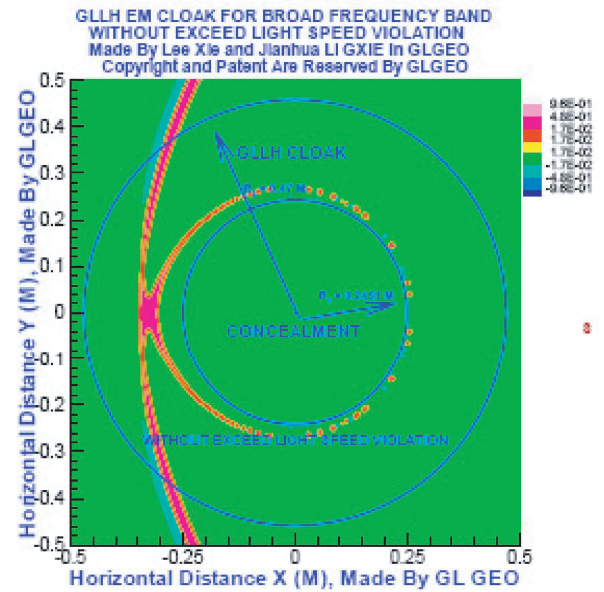


Figure II is Figure 14 in [1]

By comparing the wave figures in [1] with wave figures by exact analytical recalculation, in Figures 8, 9, 10, near the equator where the wave front bows, some virtual points appears on the wave front bows of Figures 8, 9, 10 in [1], the Figure 10 in paper [10] is above Figure I. That virtual points denote the wave front is disconnected to divide up wave and down Wave, they are separate going from right to left as propagation as absorbing. The new wave front inside sphere is as propagation as creating by the GLLH cloak material in the Figures 11, 12, 13, 14. The new wave front inside sphere is complete creating by GLLH invisible cloak materials. The up wave going down, the down wave going up to form crescent in the Figure 13 and Figure 14 in [1], Figure 14 is above Figure II. Insider of the sphere annular cloak, the crescent wave front is complete creating from the GLLH cloak materials, in the Figures 13 and 14 in [1], the crescent wave front insider sphere annular cloak is not from the incident wave. Based on our negative space, the GLLH and GLHUA invisible cloak neither exceeding light speed propagation, but also complete invisible.

4. ANTI ATOMIC BOMBS NUCLEAR WEAPON

GLLH double Layered practicable cloak [1,2,8] can be used to create anti atomic bombs nuclear weapon .Because the GLLH invisible cloak materials complete absorb incident wave enter the cloak and create new wave propagation out of the sphere, we propose and create anti atomic bombs

nuclear weapon based on the GLLH double Layered practicable cloak [1, 2, 8].

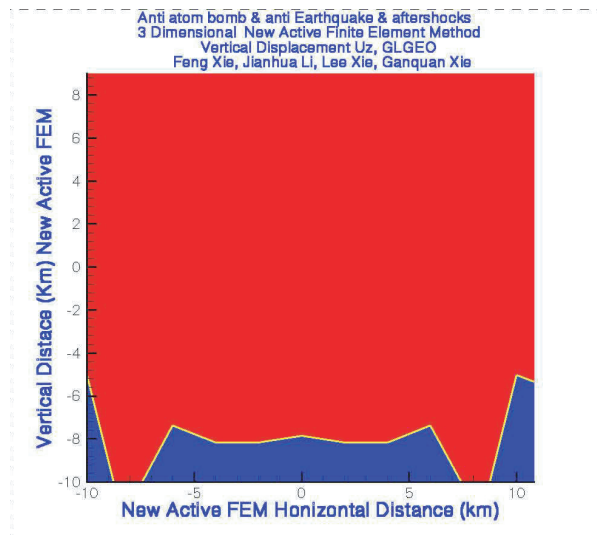


Figure 1: Blue anti bomb magical pockets just begin.

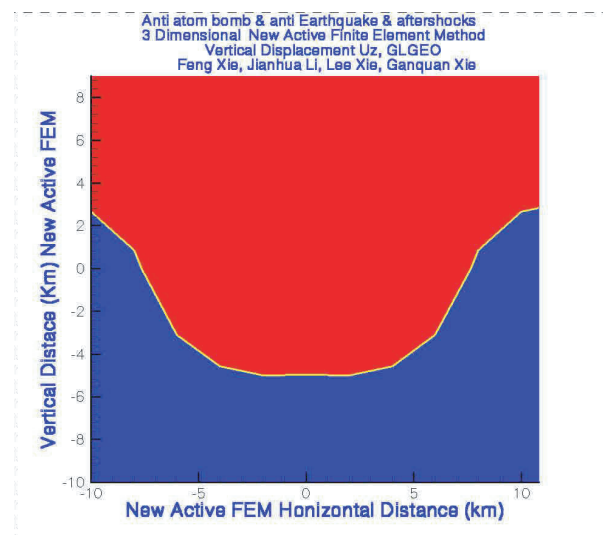


Figure 2: Blue anti bomb pockets open and eat absorbing red bomb.

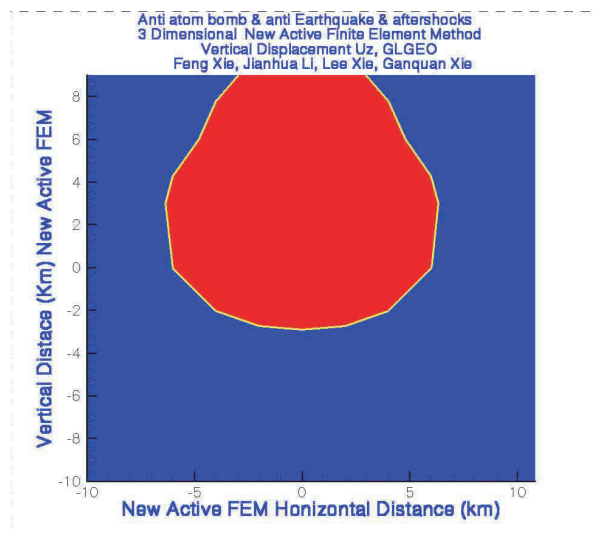


Figure 3: Blue anti bomb pockets wrapped red bomb mushrooms.

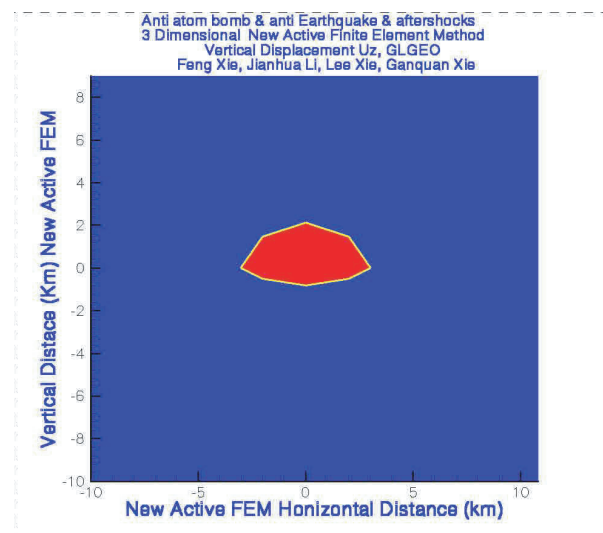


Figure 4: Blue anti bomb pockets eat absorbed all red bomb.

5. CONCLUSION

Novel anti atomic bomb nuclear weapon is developed simulation and hope can be applicable for protecting humanity and world peace. Atomic bombs nuclear weapons are devastating disaster for mankind in the positive space; Anti atomic bomb nuclear weapons are very good news for protecting humanity and world peace. We have read and Agree the Copyright Transfer Agreement for PIERS publication. The full patent and copyright belong to the author of this paper, people who using our this paper have to cite this paper. We call on “the country wishes another country good; the people wish for other person peace and security”.

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