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# The Latest Discoveries of the Parker Solar Probe Confirm the Predictions of My Model of Solar Activity and My Concept of the Universe Creation

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**Abstract-** The latest discoveries of the Parker Solar Probe (PSP) confirmed the predictions of my model of solar activity that the Sun is bulged at the equator during solar activity and elongated at the poles during low solar activity. The Parker Solar Probe confirmed once again that that the solar corona is much, much hotter than the surface of the Sun. This means that the energy of the active Sun comes from outside the Sun, not from the center of the Sun as we postulated without any observational evidence. My concept of the Universe creation is that the Universe must have been created from nonlinear electromagnetic field (NEMF), which does not dissipate and can imprint information. The Creator created a sphere of this non-dissipating NEMF, called Space Matrix and imprinted on it the information of the Universe to be, and the Universe was created. Thus, the Universe was not created out of nothing (vacuum) because spinning of the solar plasma in vacuum would not create energy, but spinning of the solar plasma in NEMF would create energy. Therefore, the corona of the Sun is much, much hotter because the heat energy of the corona is generated from clockwise spinning of the Sun as a vortex, which sucks energy from the Space Matrix NEMF, and this energy is released as heat of the solar corona.

**Keywords:** *parker solar probe (PSP); PSP confirmed my predictions; confirmed predicted bulging at solar activity; confirmed predicted elongation at low activity; confirmed predicted space matrix NEMF; extreme heat of the solar corona explained.*

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# The Latest Discoveries of the Parker Solar Probe Confirm the Predictions of My Model of Solar Activity and My Concept of the Universe Creation

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## I. INTRODUCTION

The Parker Solar Probe (PSP) was launched on August 12, 2018 to complete 24 orbits until 2024 and to probe the solar corona going closer to the solar surface that was ever considered possible. The solar corona is many times hotter than the laying under it solar surface. Why the solar corona is so much hotter is explained in section 3 of this article. By October 24, 2022, PSP had already completed 13 out of 24 orbits [1]. What impressed me is that the author of article [1] Raouafi, who described the findings of PSP, which went to the Sun to register the solar dynamics and the created by it solar wind, does not know nonlinear physics, and it is impossible to understand and describe dynamics without nonlinear physics. His explanations of

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the solar dynamics are primitive because he does not know nonlinear physics. As we go farther in investigating the dynamics of the Sun and the Universe, which can be described only with nonlinear physics, it becomes more obvious that we need to teach nonlinear physics in our Universities.

## II. MY MODEL OF SOLAR ACTIVITY

Long-term study of the glaciers shows that Ice Ages on Earth alternate with warm periods, which means that low solar activity alternates with high solar activity. During solar activity, the number of solar spot increases, which are the openings of two chains of alternating vortices (spinning clockwise and sucking energy) and anti-vortices (spinning counterclockwise and emitting energy) running parallel to the solar equator. Since the two chains of vortices and anti-vortices spin on opposite directions in both hemispheres of the Sun, obviously the northern hemisphere and the southern hemisphere of the Sun spin in opposite directions, i.e. while the northern hemisphere of the Sun is vortex spinning clockwise, the southern hemisphere is anti-vortex spinning counterclockwise.

I created a nonlinear mathematical model [2], which explains the cycles of solar activity as a vortex on top of anti-vortex in dynamic equilibrium. According to nonlinear physics, vortices spin clockwise and suck energy. When the Sun spins clockwise as a vortex and sucks energy, the northern hemisphere of the Sun sucks energy according to the rule of the folded fingers of the right hand. Since the southern hemisphere spins in the opposite direction (counterclockwise), according to the rule of the folded fingers of right hand, the southern hemisphere will also suck energy. The energized vortex (northern hemisphere) and anti-vortex (southern hemisphere) of the Sun will attract each-other stronger, the solar equator will bulge, and the turbulent activity will increase observed as two chains of alternating vortices and anti-vortices spinning in opposite direction in both hemispheres. This continues until the vertical pressure on the solar plasma at the equator reaches the critical pressure, which the plasma can tolerate. Thus, I

*predicted that during solar activity the Sun is bulged at the equator.*

To release the pressure, the Sun will start spinning in opposite direction (counterclockwise). According to nonlinear physics, anti-vortices spin counterclockwise and loose energy. If so, the spinning counterclockwise Sun will start losing energy. The vortex (northern hemisphere) and the antivortex (southern hemisphere) will pop out of each other and will start distancing each other. As a result, the Sun will become elongated toward the poles and its activity will drop down to zero. *Thus, I predicted that during low or no solar activity the Sun is elongated toward the poles and shrunk at the equator.* This will continue until the horizontal pressure at the equator reaches the critical value, which the solar plasma can tolerate. To release the pressure, the Sun will start spinning in opposite direction, i.e. clockwise, which will bring more energy and lead again to increased solar activity, and so on. Let us compare my predictions with what Parker Solar Probe (PSP) found. According to Raouafi [1, p. 33], PSP found that at lower activity of the Sun (when the Sun is less bright), the Sun is elongated, which perfectly fits my prediction.

### III. MY CONCEPT OF THE UNIVERSE CREATION

Raouafi writes that the fact that the corona of the Sun is much hotter than the surface of the Sun, known as “corona heating problem” “is still puzzling and controversial” – “various mechanisms had been proposed...but none can thoroughly explain the phenomenon” [1, p. 30]. This is because we refuse to accept the obvious fact that if the solar corona is the hottest, the Sun must burn what is outside of it. Obviously, the energy of the Sun comes from what is around the Sun, not from its core (as we presently chose to believe with no experimental evidence to support it). Durakiewicz writes in his article [3] that the courage to say no to scientific paradigm, to question and refuse to accept the status quo, is essential to science’s ability to move forward.

It is high time to acknowledge that as more observational data pile up, we need to change the way we see things. There is no place for conservatism... we need to be ready to change the way we see things, if new observational data do not support the pre-concepted picture that the center of the Sun is the energy source of the Sun. The fact that the corona of the Sun is hotter than its surface definitely indicate that the Sun burns what is outside the Sun. What is outside the Sun? In my book “The Mystery of the Universe Creation”[4] step by step I explain why the space is not vacuum and that the Universe must have been created from nonlinear electromagnetic field (NEMF) because the nonlinear fields do not dissipate and can imprint information. The Creator created a sphere of this non-

dissipating NEMF (Space Matrix), then He imprinted on it the information of the Universe to be, and the Universe was created [4].

If the Universe was created from NEMF (not from vacuum as we presently choose to believe), then the spinning solar plasma in this NEMF created the heat energy, which made the corona many times hotter than the surface of the Sun. This now makes sense, but require revision of our concept that the energy of the Sun comes from nuclear reactions at its center. If we have troubles explaining why the solar corona is so hot, it is because we have built our science as a solid building, and our science needs to be liquid - ready to flow in new directions determined by the new observations or the new experimentations... “Our science must be ready to turn the heresy of yesterday into a gospel of today, and the fundament of the future” [3]. This means that since PSP observations show (once again) that the corona of the Sun is hotter than the surface of the Sun, to explain it our science needs to embrace the fact that the space (Space Matrix) cannot be vacuum because spinning of the Sun in vacuum cannot generate energy, but spinning of the Sun in NEMF can generate energy.

### IV. CONCLUSION

According to nonlinear physics, all vortices spin clockwise and suck energy. If so, when the Sun spins clockwise like a vortex, it will suck energy from the Space Matrix NEMF, which will make it more active. The gained energy will increase Sun’s spinning, which will bulge the Sun at the equator and increase its turbulence manifested as two chains of alternating vortices and anti-vortices running along the solar equator, whose openings are observed as solar spots. This active cycle of the Sun will continue until the vertical pressure on the solar plasma reaches the critical value, which the plasma can tolerate. Then, to release the pressure on the plasma, the Sun will start spinning counterclockwise.

According to nonlinear physics, all anti-vortices spin counterclockwise and release energy. If so, the counterclockwise spinning Sun will start releasing NEMF energy to the Space Matrix NEMF. The spinning of the Sun will decrease, its activity will decrease, its vortex (northern hemisphere) and anti-vortex (southern hemisphere) will distance each other, which will make the Sun elongated toward the poles. This is what PSP found – at low solar activity the Sun is elongated toward the poles - and this is what my model of solar activity predicted. I predicted bulging at the equator of the Sun during solar activity and elongation toward the poles during low solar activity (and this is exactly what the Parker Solar Probe found).

Thus, we need to embrace the concept that the Space Matrix exists and it is NEMF (not vacuum). This is because spinning of the Sun (solar plasma) in vacuum

cannot create energy and make the Sun active and spinning of the Sun (solar plasma) in NEMF can create energy and make the Sun active. Also, the only way to explain the observed fact that the corona of the Sun is much hotter than the surface of the Sun is to embrace the concept that Space Matrix exists and it is NEMF. Since vortices spin clockwise and suck energy, when the Sun spins clockwise in the NEMF of the Space Matrix, it will suck NEMF energy from the Space Matrix NEMF and become active. The sucked in energy from the Space Matrix NEMF is transformed into heat, which makes the solar corona much hotter than the surface of the Sun.

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