The Magnetic-Like Component Of The Solar Gravitational Field

Dr. Thomas W Hill

The Magnetic-Like Component Of The Solar Gravitational Field

Dr. Thomas W Hill

The Magnetic-Like Component Of The Solar Gravitational Field Dr. Thomas W Hill
This paper presents a new theory for the solar gravitational field based on the inclusion of a vector potential. A magnetic-like flux modeled as the curl of the vector potential is produced by steady state mass currents in the sun, analogous to electromagnetic phenomena, and complements Newton's static force. We show that the effects of the vector potential and the magnetic-like flux appear in the observed planetary orbits, with the potential setting the orbit inclinations and the flux driving their spin configurations. A Fourier relationship exists between object position and velocity based on a specific angular momentum constant (sigma-slash) for the solar field, and the orbital states are derived from a standing wave equation which treats orbital energy E as its separation constant. The constant sigma-slash may be compared to the reduced Planck constant h-bar of the atomic field divided by the electron mass m, but without particle statistics and related constraints. The planets are located at nodes of the wave equation; however, the populations depend on the availability of mass at the time the solar system was formed and not all allowed states are occupied. Theory results for planetary orbit inclinations and mean radii agree with observations to the third significant digit. Body precessions for the Earth and Mars are also modeled for orbit level reference frames based on the presence of the potential and the flux. Base values for the Earth's Chandler Wobble and its far-term nutation are derived correctly for the first time, using the Earth's observed oblateness and the southward movement of the Tropic of Cancer as inputs. The nutation results provide an average of about 106,000 years for the period of the Earth's Ice Ages, in good agreement with the Milankovic theory. The results for Mars are speculative because of the lack of required observational data. The analysis additionally includes chapters devoted to (1) the advance of the perihelion of the planet Mercury's orbit, and (2) anomalies observed in the trajectories of Pioneer 10 and 11 spacecraft. Three plausible sources are analyzed for the perihelion advance -- the general theory of relativity computation, the gravitational equivalent of Larmor precession, and effects of a quadrupole moment in the solar equatorial plane. Application of the flux to the trajectories of the two Pioneer spacecraft provides an explanation for the onset of observed anomalies, their magnitudes, and gradual extinctions. In the final chapter we summarily compare electromagnetic and atomic quantum theories with the new gravitational theory, concluding that gravity waves propagate at the speed of light. We address the differences between the two fields, especially their fine structure constants, and apply the equivalent of Maxwell's equations to gravity waves. Also included is a discussion of why the special theory of relativity provides a wrong velocity result for Doppler shifts of light rays from distant galaxies. We end the presentation with a qualitative assessment of the impact of clusters of stellar gravitational vector potentials on cosmology theory.

Download and Read Free Online The Magnetic-Like Component Of The Solar Gravitational Field Dr. Thomas W Hill

---

From reader reviews:

Katherine Sherrer:

Have you spare time for any day? What do you do when you have a lot more or little spare time? Yes, you can choose the suitable activity intended for spend your time. Any person spent their own spare time to take a move, shopping, or went to often the Mall. How about open or read a book entitled The Magnetic-Like Component Of The Solar Gravitational Field? Maybe it is being best activity for you. You already know beside you can spend your time with the favorite's book, you can better than before. Do you agree with it has the opinion or you have some other opinion?

Beverly Brown:

The book The Magnetic-Like Component Of The Solar Gravitational Field gives you the sense of being enjoy for your spare time. You may use to make your capable considerably more increase. Book can to get your best friend when you getting anxiety or having big problem together with your subject. If you can make reading through a book The Magnetic-Like Component Of The Solar Gravitational Field to get your habit, you can get far more advantages, like add your personal capable, increase your knowledge about a few or all subjects. You are able to know everything if you like wide open and read a reserve The Magnetic-Like Component Of The Solar Gravitational Field. Kinds of book are several. It means that, science reserve or encyclopedia or others. So , how do you think about this guide?

George Hardy:

Spent a free time to be fun activity to do! A lot of people spent their sparetime with their family, or their very own friends. Usually they carrying out activity like watching television, likely to beach, or picnic in the park. They actually doing same thing every week. Do you feel it? Do you need to something different to fill your current free time/ holiday? Might be reading a book could be option to fill your totally free time/ holiday. The first thing that you will ask may be what kinds of guide that you should read. If you want to consider look for book, may be the book untitled The Magnetic-Like Component Of The Solar Gravitational Field can be good book to read. May be it can be best activity to you.

James Stewart:

You could spend your free time to study this book this guide. This The Magnetic-Like Component Of The Solar Gravitational Field is simple to develop you can read it in the recreation area, in the beach, train in addition to soon. If you did not have got much space to bring the particular printed book, you can buy the actual e-book. It is make you simpler to read it. You can save the book in your smart phone. Consequently there are a lot of benefits that you will get when you buy this book.

Read The Magnetic-Like Component Of The Solar Gravitational Field by Dr. Thomas W Hill for online ebook

The Magnetic-Like Component Of The Solar Gravitational Field by Dr. Thomas W Hill Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Magnetic-Like Component Of The Solar Gravitational Field by Dr. Thomas W Hill books to read online.

Online The Magnetic-Like Component Of The Solar Gravitational Field by Dr. Thomas W Hill ebook PDF download

The Magnetic-Like Component Of The Solar Gravitational Field by Dr. Thomas W Hill Doc

The Magnetic-Like Component Of The Solar Gravitational Field by Dr. Thomas W Hill Mobipocket

The Magnetic-Like Component Of The Solar Gravitational Field by Dr. Thomas W Hill EPub