Paper ID: 50261
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48th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) – The Next Steps (A4)
SETI 2: SETI and Society (2)

Author: Ms. Sagarika Valluri
RNSIT Bangalore, India, sagarika@cfrce.in

THE SEARCH FOR EXTRA-TERRESTRIAL LIFE : A REVIEW

Abstract

This paper discusses the use of gravitational waves as a means to communicate with life forms beyond Planet Earth. There is merit in the idea as gravitational waves give us an extensive view into dark matter and move quickly and uninterrupted through the space-time blanket. This paper also reviews prior studies made to search for extra-terrestrial life which did not make much progress but were able to generate a higher level of interest among scientists on life beyond Earth. The paper covers Fermi's Paradox that made a significant contribution as it questioned the existence of life beyond the Earth and why there has been no contact with those life forms if they exist at all. The paper suggests that we incorporate communication through gravitational waves. These waves have existed from the beginning of the creation of the Universe and so can traverse across the Universe. The thought holds promise and can perhaps shed light on the intricate, interlinked web of life in the Universe. The paper looks at the gravitational wave project by LIGO and tries to modify and incorporate the current instruments, to use for the harnessing of energy held by the waves and study it. The paper also proposes to try and use the instrumentation to embed new energy in the wave to modify it. By Modifying the gravitational waves, we propose to use the waves as a new mode of communication.