ASSIGNMENT 2

Birupaksha De IISER Kolkata

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1 Answer

The paper that proposes a novel method that could be utilized to attract the attention of, and ultimately communicate with, extraterrestrial intelligence is

Paper A: Transit Light-Curve Signatures of Artificial Objects

This paper discusses about the detection of Artificial Objects (possibly created by some extra-terrestrial species) using the Transit Method. This is done by studying the Light Signatures, which are produced when these artificial/non-natural objects transit their host-stars. The paper points out that it would be difficult to detect the artificial nature of a single artificial object. Multiple artificial objects would produce light curves easily distinguishable from natural transits. These patterns could act as attention-getting signals.

The author also wants to install this technique in future space missions, which would be used to detect Earth-like planets in the Universe. The findings from this method would help us understand the mysteries of the existence of extra-terrestrial species.