



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_19785
Title of the Manuscript:	Undecidability of the criterion for recognizing the Fibonacci numbers
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	The conclusions must establish some mathematical fact with some final calculation. The paper must be written with the formalism of mathematics of the logic (undecidability and satisfiability, etc) connecting with the ideas of Turing and Church. The paper is some vague and require some more mathematical analysis formalism. The authors must to give the 2010 AMS Classification. The asseverations and enouncements in the conclusions must be formally written. The fact discussed are known and the unique innovation in the paper could be the arguments of hypercommunication. The authors could to speak more of this.	The main goal of the paper is to demonstrate that there is no algorithm, which in a finite number of steps can correctly decide whether a given positive integer of arbitrarily large size belongs to the Fibonacci sequence. Despite all the known facts about the Fibonacci numbers amassed during many years of studying this sequence and the golden ratio, the undecidability (in the sense of Church-Turing thesis of computability) of the criterion for recognizing the Fibonacci numbers is a quite new aspect of this old and very-well known topic. Again, undecidability in the given paper is considered only in the sense of computability (and not as a logic principle). The subject of hypercomputation is complex and full of controversies of any



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		kind. I do not think that in a short paper, as this one, there is a place (and a taste) to discuss such a deep and complicated subject matter.
Minor REVISION comments		
Optional/General comments		I would like to express my sincere gratitude to the reviewer for the time and consideration. I appreciate the endorsement given to my manuscript.