



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2015_BJMCS_18555
Title of the Manuscript:	Design, Optimization and Fabrication of a Climbing Six Articulated-Wheeled Robot using Artificial Evolution and 3D Printing
Type of the Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
I have checked this new version of the paper. Several aspects have been improved since the last version and the authors have followed most of the reviewer suggestions. However, the reviewer still considers that there are some aspects of the Evolutionary approach that are not totally correct (the way SOEA is implemented almost seems that there is a random search) and the writing style and the grammar should be improved in the final version. Furthermore, all variables along the text should be typed in italics font. On page 12, last two paragraphs, it is not clear to the reviewer why in one paragraph it is stated that "The maximum weight for the biggest possible evolved SAWR is first calculated which is 900g" and in the other "...the maximum weight for the biggest possible evolved solutions including legs is estimated at 950g". Shouldn't the maximum estimated weight be the same in both cases?	The designed SOEA in this research is highly similar to the EP-variant of evolutionary optimization algorithms where only the mutation operation is involved. The SOEA is a simpler evolutionary approach where from generation to generation, the fittest individual will become the parent and undergo a mutation operation to produce new offspring. A random search will not include any selection process, which makes this mutation-only SOEA adhere to the general processes of evolutionary optimization algorithms. The language and grammar has been improved to the best ability of the author. Variables had been changed to italic font. A more detailed explanation has been given on page 12 in the last two paragraphs to further clarify this point.