



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_30766
Title of the Manuscript:	HILL'S EQUATION IN THE ARM PUSH OF SHOT PUT
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>)



SDI Review Form 1.6

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)
<u>Compulsory</u> REVISION comments	Author mentions in line 104 that there are three different states of motion, however, they have mentioned only two, please correct this.	Around the line 104 it is not mentioned that there are three different states of motion but there is explanation of three different power components (A, B and C). Actually it is question of two states of motion: (1) max constant force and (2) max constant power motion. Short clarification is now added to the text.
<u>Minor</u> REVISION comments	The equation formulation for equation 8 and 16 after which the integration is carried out, author should have mentioned the integration technique used for general public idea. Write a brief note on the future prospect of this study. References should be in one pattern. Like in Ref 1, author wrote pp 352 and 504. In the next one author writes 227-297. So please change in single formatting as suggested by Journal.	The integration follows a very basic technique and does not include any advanced integration techniques. The authors are not sure about the classification of different integration techniques and therefore it is not known which category the present integration belongs to. One classification includes substitution-type integration (most likely used here, substitution phase is not seen in the equations), integration by parts, trigonometric integrals, trigonometric substitution, and partial fraction decompositions. A short future prospect has been added in the end of the conclusion paragraph. Page numbers have been corrected according to the Journal guidelines.



SDI Review Form 1.6

<u>Optional/General</u> comments	Over all paper is really good, has created a strong connection with the power and acceleration, with proved results with different studies. It would have been better to compare with at least three or more case studies rather than two to find a mean and Standard deviation. Line 298,300 and 301 where you mention First you have put colon, rather than that put semicolon and then either a) or 1). The work holds a clear novelty and will be a big help for biomechanics and engineers dealing with bioinspired devices.	This is a very special case study as the shot put performances analysed here are from the Olympic winner. This is now mentioned at the end of the introduction. The extension of the study to cover more trials has been added to the future prospects. Colons have been replaced by semicolons and numbers as suggested.
---	---	---

As per the guideline of editorial office we have followed VANCOUVER reference style for our paper.
Kindly see the following link: <http://sciencedomain.org/archives/20>