



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	Ms_BJMCS_18772
Title of the Manuscript:	Determining the Effects of Cross-over Point on the Running Time of Strassen Matrix Multiplication Algorithm
Type of the Article	Short 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:

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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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	This paper study the newer algorithms to strassens' for fast multiplication of two x matrices are significantly more complicated. However, one pertinent issue that has deterred strassen's scheme from been considered for practical usage is determining the cross-over point. In this light, large matrices with different sizes were randomly generated on which Strassen and conventional matrix multiplication algorithms were implemented in MATLAB R2008b. Two MATLAB built-in functions nextpow2 and pow2 were used for implementing padding techniques to ensure that the matrices are to the power of two. Three different experiments were carried out using five, four and three levels of recursion (divide and conquer algorithm) respectively to determine the suitable cut-off point which were used to evaluate the optimal running time for strassen's algorithm. For each experiment, eight real numbers x matrices with different dimensions were iteratively multiplied. The experiment reveals that the cut-off point with five level of recursion optimized the strassens time.1. It's a paper with interesting and meaningful topic, with full literatures supporting.2. The whole analysis could be more comprehensive, and persuasive.	
<u>Optional/General</u> comments		

Reviewer Details:

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