



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_38568
Title of the Manuscript:	Root Systems, Cartan Matrix and Dynkin Diagrams in Classification of Lie Algebras
Type of the Article	Review Paper

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>)

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	1. In page 3, line 5, the definition of Lie subalgebra of Lie algebra is different from Definition 2.5. The authors should explain the difference. 2. In page 3, line 11, "η is a Lie subalgebra of " should be modified to "η is a Lie subalgebra of L". 3. In page 3, line 15, "We now turn to the properties of a Lie algebra" should be modified to "We now turn to the properties of a Lie algebra". There is lack of a space. 4. In page 4, line 5, "$s_\alpha \beta = \phi - a_{B,\alpha}$" should be modified to "$S_\alpha \beta = \phi - a_{B,\alpha}$". 5. In page 4, line 6, "$a_{B,\alpha} \in z$" should be modified to "$a_{B,\alpha} \in Z$". 6. In page 4, line 10, "$K_\delta \in z$" should be modified to "$K_\delta \in Z$". 7. In page 8, the section "Main Results" should be modified to "Some conclusions" 8. There are some grammar errors and other mistake in the text, please check them.	Thank you for your comments. Here is our reply: 1. In page 3, Line 5 and definition 2.5 of the Lie subalgebra was corrected, in fact it is a vector subspace η of the Lie algebra L, satisfying $[\eta, \eta] \subseteq \eta$ 2. In page 3, line 11 the correction was done. 3. In page 3, line 15, space was done in yellow. 4. In page 4, line 5 correction was done. 5. In page 4, line 6 small z was changed to capital. 6. In page 4, line 10 small z was changed to capital. 7. In page 8, main results were changed to Some conclusions. 8. Grammar errors and other mistakes were revised in yellow.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		