



SDI Review Form 1.6

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| Journal Name: | Physical Science International Journal |
| Manuscript Number: | Ms_PSIJ_33413 |
| Title of the Manuscript: | Filter design and applications in image improvement |
| 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 <i>(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)</i> |
|--|---|---|
| <u>Compulsory</u> REVISION comments | <ol style="list-style-type: none"> 1- In page 4, some values are selected for cut-off frequency. However, it needs to be cleared how these numbers are chosen. 2- In the second line of abstract, the word "fromdegradation" should be splitted. 3- After the end of each sentence, space should be added. 4- The equation numbers and formats are not inconsistent. | <ol style="list-style-type: none"> 1- The values were explained, 2- Corrected, 3- Corrected, 4- Corrected. |
| <u>Minor</u> REVISION comments | <ol style="list-style-type: none"> 1- Figure 7 is vague. 2- The application of your results and method should be enhanced. 3- To improve the background of the paper and its introduction, the following papers and book are worthy to be reviewed. <p>"Low-Dose CT of the Abdomen: Evaluation of Image Improvement with Use of Noise Reduction Filters—Pilot Study 1"</p> <p>"Digital image restoration"</p> <p>"An iterative regularization method for total variation-based image restoration"</p> <p>"Asphalt Mixture Segregation Detection: Digital Image Processing Approach"</p> <p>"Sparse representation for color image restoration"</p> | <ol style="list-style-type: none"> 1- Corrected, 2- The method was enhanced, 3- The mentioned references were reviewed. |



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| <u>Optional/General</u> comments | The authors developed a method to enhance and deblur the degraded images. However, this paper needs to be improved. The literature review of the paper needs to be improved and review the different papers and recent developments in image restoration. Also, the writing of the paper requires some modification. | All were improved. |
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