

Editor's Comment:

Report to the manuscript: **A Novel Comparison between the Performances of Several Invariant Moments for Printed Multi-Oriented, Multi-Scaled and Noisy Eastern Arabic Numerals Recognition**

Decision: **I recommend the manuscript for publication, after considering the corrections/suggestions bellow.**

The authors already made some corrections but forgot some others. Thus, I recommend them to make the following unconsidered suggestions, in particular, those in Section 4.3 and in Reference Section.

2. RECOGNITION SYSTEM

Before Fig. 1, at the end of the sentence, the authors should replace “(...) figure bellow (...)” by “(...) Fig. 1 (...)”. I also recommend the authors to check this situation for all the figures and tables in order to maintain the coherence all over the manuscript.

The authors should also remove the *italic titles of the tables* and figure 18 of the manuscript (see the template of the Journal).

4.1. The Hu invariant moments

The authors should consider, all over the manuscript, the letters that represent variables, functions, vectors/matrix in *italic* (but not the numbers, signals and brackets).

All over the manuscript, the authors should consider a dot after the formulas, which are numbered, when the next line is the beginning of a new paragraph. Otherwise, the first letter of the first word should not be capital.

4.3. The pseud-Zernike invariant moment

The letter j , which represents the imaginary unit of complex numbers, was replaced by $i = \sqrt{-1}$ in formulas (17) and (18), but the authors forgot to replace it in the first part of formula (34), and in formulas (35) and (36).

4.5. The invariant analytical Fourier-Mellin transform

In equation (34) I think the authors should try to replace

$$\forall (k, v) \in Z \times \Re$$

by

$$\forall (k, v) \in \mathbb{Z} \times \mathbb{R}.$$

REFERENCES

The numbers that identify the references [1], ..., [16] should be replace by 1, ..., 16 (without square brackets, just in the References section).

The references are not formatted according to the template journal, available in the Internet. For example, the authors' names should start for their surname followed by their first name (without a dot at the end of first name).

In this important section, the authors should compare all manuscript references with the following style (template journal):

Reference to a journal:

For Published paper:

1. Hilly M, Adams ML, Nelson SC. A study of digit fusion in the mouse embryo. Clin Exp Allergy. 2002;32(4):489-98.

Note: List the first six authors followed by et al.

Note: Use of a DOI number for the full-text article is encouraged. (if available).

Note: Authors are also encouraged to add other database's unique identifier (like PUBMED ID).

For Accepted, unpublished papers.

Same as above, but "In press" appears instead of the page numbers.

1. Saha M, Adams ML, Nelson SC. Review of digit fusion in the mouse embryo. J Embryol Exp Morphol. 2009;49(3): (In press).

Note: List the first six authors followed by et al.

Note: Use of a DOI number is encouraged (if available).

Note: Authors are also encouraged to add other database's unique identifier (like PUBMED ID).

For Articles not in English

Forneau E, Bovet D. Recherches sur l'action sympathicolytique d'un nouveau dérivé du dioxane. Arch Int Pharmacodyn. 1933;46:178-91. French.

Reference to a book:

Personal author(s)

Rang HP, Dale MM, Ritter JM, Moore PK. Pharmacology. 5th ed. Edinburgh: Churchill Livingstone; 2003.

Editor(s) or compiler(s) as authors

Beers MH, Porter RS, Jones TV, Kaplan JL, Berkwitz M, editors. The Merck manual of diagnosis and therapy. 18th ed. Whitehouse Station (NJ): Merck Research Laboratories; 2006.

Authored chapter in edited publication

Glennon RA, Dukat M. Serotonin receptors and drugs affecting serotonergic neurotransmission. In: Williams DA, Lemke TL, editors. Foye's principles of medicinal chemistry. 5th ed. Philadelphia: Lippincott Williams & Wilkins; 2002.

Final Suggestion:

The authors should check all the manuscript text, because some spaces between letters/numbers and commas or dots are missed. In other cases some spaces should be removed. See for example, carefully, all references, where this situation occurred frequently.

Editor's Details:

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