

“Comparative evaluation of three image analysis methods for angular displacement measurement in a MEMS microgripper prototype: a preliminary study.”

Auxiliary file - Responses to reviewers

1. Reviewer B:

The paper is an extended version of a previous version, which has recently been presented at IMEKO symposium. The contents have been updated and improved as detailed by the authors in the accompanying letter.

The contribution is fair and adequately presented: the text is clear and contains sufficient details. The results are documented with a sufficient degree of detail.

The authors thank the reviewer for his/her comments.

2. Reviewer C:

The aim of the paper is the characterization of two novel approaches for the angular displacement measurement of MEMS devices. The proposed methods are well described and their metrological performances are compared with the SAM method, previously investigated by the authors. The obtained results are interesting and in detail discussed.

In the listed references, there are too much self-citations (15 out of 39) and not all of them are essential for the paper understanding. Please, consider to modify the list of the cited papers.

In section 2, first subsection, last row, measurement units must be separated from the values: “each applied voltage with a 2 V step (i.e., 0 V, 2 V, 4 V, ... 24 V)” instead of “each applied voltage with a 2V step (i.e., 0V, 2V, 4V, ... 24V)”.

The authors thank the reviewer for his/her comments. In accordance with the reviewer's suggestion, the list of cited papers has been modified.

Moreover, in section 2, first subsection, last row, measurement units have been separated from the values, and “each applied voltage with a 2V step (i.e., 0V, 2V, 4V, ... 24V)”, has been modified as “each applied voltage with a 2 V step (i.e., 0 V, 2 V, 4 V, ... 24 V)”.