

Referee's report on the paper

Integral versions of some generalizations of Aczél's inequality

Aczél's inequality was first published in 1953. Since then it has had several applications in the theory of functional equations in non-Euclidean geometry and motivated a large number of research papers with various generalizations, refinements and applications. Among them, Bellman's inequality and Popoviciu's are very important and have many applications. The paper establishes integral versions for some refinements of Aczél's inequality and obtains integral versions of Bellman's inequality, Popoviciu's inequality.

The paper is well written. The results and their proofs are correct and worth publication. I think that this paper makes some meaningful and important contribution to this field. Therefore, I would strongly recommend it for publication after minor revisions.

Here are several minor typos and comments:

- The left parenthesis symbols of inequalities (1), (2) and (3) were missing.
- Many formulas are out of margin, probably because of two column format.
- There is a formula labeled by (9A) but there is no (9B). The same happens for (14A).
- “By getting $m=1$ ” on the line 4th from bottom on page 5 should be changed to “by setting $m=1$ ”.