

Review of: "The Thomson-Clausius synthesis revisited: Why “conversion” of heat to work is a misnomer?"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

The paper discussed the relation between the connection of heat and work and the conversion of work to heat.

Comments to improve the paper:

The need of the research should be given at the end of the Introduction. What is the research gap. It should come from the literature review.

Revise citation in the manuscript. Some references are shown as ii, and some [3].

Authors should do a deeper analysis in the Introduction section.

Fig. 1 must have source/reference.

Fig. 2 has poor presentation quality, including its title. All the quantities in it must be explained.

The same problem with quality is with Fig. 3.

Fig. 6 a: the axis should have titles.

Revise other figures. Some typographical errors in the titles.

Nomenclature should be used.