Review of: "Non-dimensionalization of the Compressible Navier-Stokes Equation by Pressure Wavelength and Period revealing its Singularity"

Federico Lluesma-Rodríguez[1]

1 Universidad Politécnica de Valencia

Potential competing interests: No potential competing interests to declare.

The manuscript entitled "Non-dimensionalization of the Compressible Navier-Stokes Equation by Pressure Wavelength and Period revealing its Singularity" addresses the non-dimensionalized Navier-Stokes equations by the pressure wavelength and period in an inertial frame, where there is a singularity when the flow velocity approaches wave propagation velocity.

This paper is represented in an excellent form. The introduction is clear, and the methodology is well-described. The authors have provided justifications for their equation's development, which are properly discussed.

However, it is found that the presented paper, particularly in the introduction, has few references. The reviewer encourages the authors to look for more related documentation in the bibliography, as the only citation in the first section is from the same authors in a previous publication.

Additionally, the reviewer suggests correcting a spelling error at the beginning of the introduction, where it is said that "The Navier–Stokes equation isare very useful".