

Dear Associate Editor,

Thank you for your message.

You write: *you have still not addressed my issue about the use of "ansatz velocity deficit distribution".*

Indeed, we already replied on 23 August 2019, and you can find our letter in the MS Records on the journal site. We copy here below again our original reply.

Dear Associate Editor,

Thank you for your initial assessment of our paper.

The word "ansatz" is not "*a relic of German language left from an earlier version*". Indeed, ansatz is a common term used in mathematical language to refer to an "assumption". A google search returns over 34 million results, and the definition "an assumption about the form of an unknown function which is made in order to facilitate solution of an equation or other problem". Wikipedia, citing Gershenfeld 1999, states that ansatz "is an educated guess that is verified later by its results".

This is exactly the use that we make of this word in our paper: we assume (based on prior knowledge) that a double Gaussian is a good choice for the shape function describing the velocity deficit in a wind turbine wake, and then we verify a posteriori that is indeed a better choice than others.

Thank you again for your help in reviewing this paper.

The authors

References

Gershenfeld, Neil A. (1999), *The Nature of Mathematical Modeling*, Cambridge University Press, ISBN 0-521-57095-6

Because ansatz is a common term used in technical publications, we prefer not to change the manuscript.

Thank you again for your help in reviewing this paper

The authors