

Interactive comment on “Methodology for the engineering calculation of flaps on Wind Turbines using BEM codes” by Maria Aparicio-Sanchez et al.

Anonymous Referee #2

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General Comments: The topic of the paper is interesting and worth a publication, perhaps, given the nature of the results and the work in progress, as a conference paper.

For readability, it is suggested that the manuscript be edited by an English native speaker. Many a sentence should be rewritten and terminology updated for a broad audience.

Specific Comments: Abstract:

Rewrite the sentence starting with This paper presents... e.g., In order to simulate the effects on the blades, a new method is introduced to account for...

What is 'another kind of control devices? which one? Last sentence could use rewriting

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as well, as it is poorly written.

Introduction: suggest replacing at line 13: "flap motion, and including..." Website in the references? please address that reference in multiple location throughout the paper

Section 2: line 19 "steady STATE point of view"

'Extremes' of the flap makes no sense. I assume you mean the spanwise edges? sides? Please address this throughout the paper. Page2: line 3: remove "in order to simulate dynamic flaps" line 8 : replace "a specific application" line 10: lower computational costs : lower than what? line 23: n-th time step Eq. 1: can you provide some more detail here? Page 3 bottom: suggest removing the last sentence, very hard to read and not clear what value it adds.

Section 3: line 18: rigid components and effects are disabled: please rewrite as tip and root losses? what rigid effects are you talking about? line 27: CampaiGN

Please elaborate more on the effects of synchronous vs asynchronous actuators in flap deflection and pitch and state that in the conclusions. This seems to be an important point judging from the figures and for further implementation and validation.

Interactive comment on Wind Energ. Sci. Discuss., doi:10.5194/wes-2016-50, 2016.

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