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Interactive comment on "Surrogate models for unsteady aerodynamics using non-intrusive Polynomial Chaos Expansions" *by* Rad Haghi and Curran Crawford

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The authors would like to thank the reviewer for their time and greatly appreciate their constructive feedback and suggestions to improve the article. The article has gone through a major revision to include your comments and concerns. The authors generally agree with your feedback and used them to improve the manuscript.

- The aerodynamic model has been updated to a more complex model that includes the non-linearity - The analytical solution provided in your comments is added to the paper. - The results section is updated. - Your comments in the supplement PDF file have been taken into account.

The changes will appear in the revised version of the article.

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Discussion paper