

**Professor H. Petryk**  
Editor of Archives of Mechanics

Chasseneuil, June 24, 2018

Dear Professor Petryk,

We are very pleased to submit an article entitled « Linear genetic programming control for strongly nonlinear dynamics with frequency crosstalk » to *Archives of Mechanics*. This manuscript is co-authored by Bernd Noack, Laurent Cordier, Jacques Borée, Eurika Kaiser, Fabien Harambat and myself.

We perform active control for strongly nonlinear dynamics. Our control methodology builds on Machine Learning Control as introduced in *Duriez, Brunton & Noack 2016 Springer Book*. We advance this method by proposing an easily applicable framework for any control problems with multiple inputs (actuators) and multiple outputs (sensors), and by introducing a very general ansatz for control laws incorporating open-loop and sensor-based feedback control. We believe that the results presented can be valuable for the community working on Turbulence control.

As referees, we propose Christian Nayeri, Sinisa Krajnovic and Azeddine Kourta as experts in drag reduction of car models.

Thank you for your consideration of the manuscript.

With kind regards,

Ruiying Li  
on behalf of the co-author team.

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