

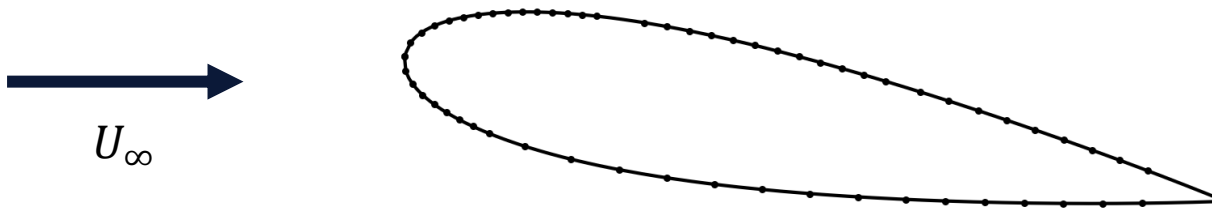
ROM-based pressure prediction for a pitching airfoil

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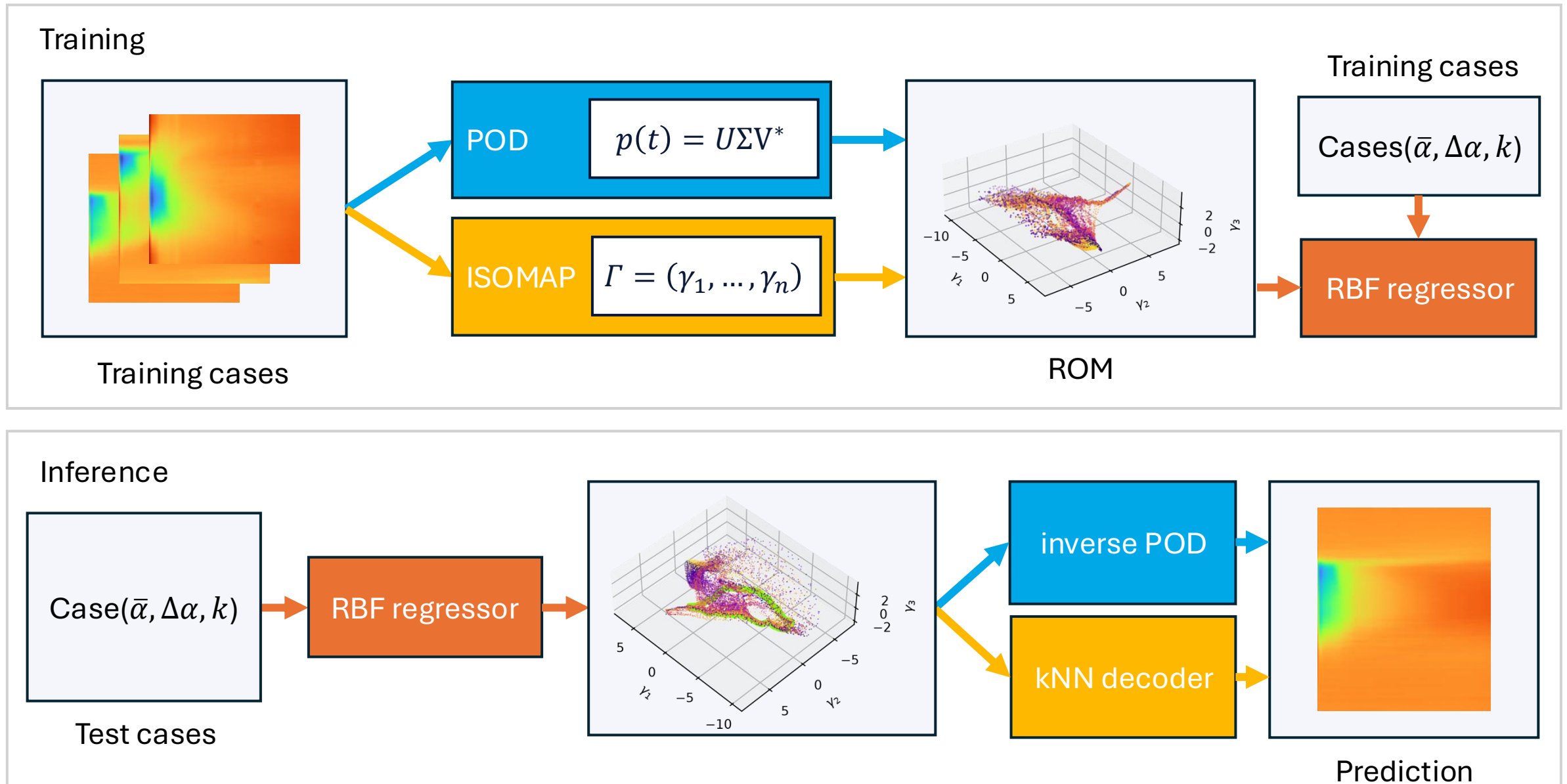
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Experimental setup

- 2D wing with NACA 0018 profile
- 59 pressure transducers
- 6 axes hexapod for pitching motion along $c/4$
- 2 x 1.5 m *Windshaper* fan array
- $Re = 86'000$, turb. intensity $\sim 5\%$



Methodology: ROM-based regressor



Acknowledgements

- This activity is part of the project EXCALIBUR (Grant No PID2022-138314NB-I00), funded by MICIU/AEI/ 10.13039/501100011033 and by“ERDF/EU”
- The Department of Aerospace Engineering at Universidad Carlos III de Madrid has been accredited as a Unit of Excellence “María de Maeztu”, a distinction awarded by the Spanish State Research Agency for the period 01/01/2026-31/12/2031.

