



POLITECNICO
MILANO 1863

DIPARTIMENTO DI MECCANICA

Master thesis projects in Wind Engineering

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Objective: Statistical analysis of wind tunnel pressure data: build and exploit a mixture model.
Topic: Wind Engineering / Wind Tunnel Testing / Design of building façade elements
Methodology: Experimental Wind Tunnel Tests / Data Analysis
Background: Mathematics / Statistics / Data analysis / Bayesian Inference / MATLAB
Readings : Rigo, F., Andrienne T. & Denoël, V., (2019), A de-mixing approach for the management of large negative peaks in wind tunnel data. Journal of Wind Engineering and Industrial Aerodynamics, vol. 206, p. 104279.. DOI: 10.1016/j.jweia.2020.104279
Collaboration: University of Liège (Belgium)

