Machine Learning-Assisted Predictions of Turbulent Flows over Airfoils

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Axisymmetric Transonic Bump

– Modify Base SA model: $g = r + \beta(x, y)c_{w2}(r^6 - r)$
– Infer $\beta(x, y)$ by minimizing $\|C_{p,RANS} - C_{p,DNS}\|$
– Resulting model $\rightarrow$ Inverse SA

This is an alert! and this is how you highlight , there are bunch of other color options!