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CORRIGENDUM

Mechanisms and control of sharp-edged roughness-induced transition in a supersonic boundary layer – CORRIGENDUM

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The authors apologise that on publication of the article a number of references were input with the names of the authors inverted.

The incorrect references were as follows:

(i) De, N.T., Paredes, P., Sandham, N.D. & Theofilis, V. (2013) Laminar–turbulent transition induced by a discrete roughness element in a supersonic boundary layer. J. Fluid Mech. 735, 613–646.
(ii) De, T.N. & Sandham, N.D. (2015) Influence of boundary-layer disturbances on the instability of a roughness wake in a high-speed boundary layer. J. Fluid Mech. 763, 136–165.
(iii) Driest, E.R.V. & McCauley, W.D. (1960) The effect of controlled three-dimensional roughness on boundary-layer transition at supersonic speeds. J. Aerosp. Sci. 27, 261.
(iv) Ludovico, F. & Pierre, R. (2025) Attenuation by uniform suction of compressible Görtler vortices induced by free stream vortical disturbances. J. Fluid Mech. 1019, A10.
(v) Miguel, H. & Antonio, H.J. (2008) Stable high-order finite-difference methods based on non-uniform grid point distributions. Int. J. Numer. Methods Fluids 56(3), 233–255.
(vi) Montero, I.P. & Pinna, F. (2020) BiGlobal stability analysis of the wake behind an isolated roughness element in hypersonic flow. Proc. Inst. Mech. Engrs G 234(1), 5–19.
(vii) Padilla, M.I. & Fabio, P. (2021) Analysis of the instabilities induced by an isolated roughness element in a laminar high-speed boundary layer. J. Fluid Mech. 915, A90.
(viii) Stefania, C., De, T.M.D., De, P.P. & Giuseppe, P. (2013) Transient growth in the flow past a three-dimensional smooth roughness element. J. Fluid Mech. 724, 642–670.

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(ii) De Tullio, N. & Sandham, N.D. (2015) Influence of boundary-layer disturbances on the instability of a roughness wake in a high-speed boundary layer. Journal of Fluid Mechanics 763, 136–165.
(iii) Van Driest, E.R. & McCauley, W.D. (1960) The effect of controlled three-dimensional roughness on boundary-layer transition at supersonic speeds. Journal of the Aeronautical Sciences 27, 261–271.
(iv) Fossà, L. & Ricco, P. (2025) Attenuation by uniform suction of compressible Görtler vortices induced by free stream vortical disturbances. Journal of Fluid Mechanics 1019, A10.
(v) Hermanns, M. & Hernández, J.A. (2008) Stable high-order finite-difference methods based on non-uniform grid point distributions. International Journal for Numerical Methods in Fluids 56, 233–255.
(vi) Padilla Montero, I. & Pinna, F. (2020) BiGlobal stability analysis of the wake behind an isolated roughness element in hypersonic flow. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering 234(1), 5–19.
(vii) Padilla Montero, I. & Pinna, F. (2021) Analysis of the instabilities induced by an isolated roughness element in a laminar high-speed boundary layer. Journal of Fluid Mechanics 915, A90.
(viii) Cherubini, S., De Tullio, M.D., De Palma, P. & Pascazio, G. (2013) Transient growth in the flow past a three-dimensional smooth roughness element. Journal of Fluid Mechanics 724, 642–670.

The article has been updated to correct the reference and the corresponding in-text citations.

Reference

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