

Erratum: “Three-Dimensional Numerical Analysis of Curved Transpiration Cooled Plates and Homogenization of their Aerothermal Properties” [Journal of Turbomachinery, 129(4), 791–799 (2007)]

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In Figs. 7 and 8 of the published article the velocity profiles, induced by a negative unit pressure gradient respectively in the x , y , and z directions, are drawn for the convex (Fig. 7) and concave (Fig. 8) plate designs. In the published figures the velocity magnitude scale was erroneously omitted. Thus, readers have some difficulty understanding the influence of the plate curvature on the permeability tensor of each layer of the multi-layer plate. Therefore, Figs. 7 and 8 are redrawn in this erratum with their correct velocity scale.

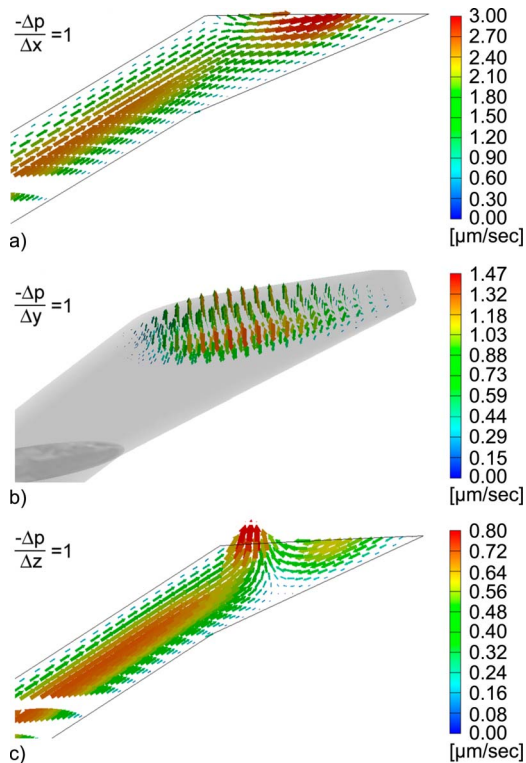


Fig. 7 Velocity profiles on the convex plate due to a negative unit pressure gradient respectively in x , y , and z directions

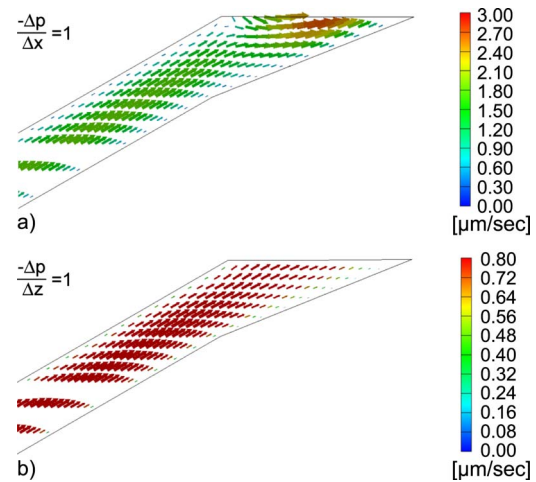


Fig. 8 Velocity profiles in the midplane section of the concave unit cell due to a negative unit pressure gradient respectively in x and z directions