PHYSICS OF FLUIDS **27**, 129901 (2015)

Erratum: "Instabilities in the boundary layer over a permeable, compliant wall" [Phys. Fluids 26, 084103 (2014)]

Franck Pluvinage,[1,a)] Azeddine Kourta,[1] and Alessandro Bottaro[2]
[1]*Univ. Orléans, INSA-CVL, PRISME, EA 4229, F45072 Orléans, France*
[2]*DICCA, Scuola Politecnica, Università di Genova, 1 via Montallegro, 16145 Genova, Italy*

(Received 5 November 2015; accepted 5 November 2015; published online 22 December 2015)

[http://dx.doi.org/10.1063/1.4936964]

(1) Equation (14),

$$u + \eta U' = 0, \quad v = \sigma\eta - ap, \quad w = 0,$$

should be read as

$$u + \eta U' = 0, \quad v = \sigma\eta - ap, \quad w + \eta W' = 0.$$

(2) Equation (17),

$$w = 0,$$

should be read as

$$\sigma w + W'(v + ap) = 0.$$

(3) Page 5, paragraph:

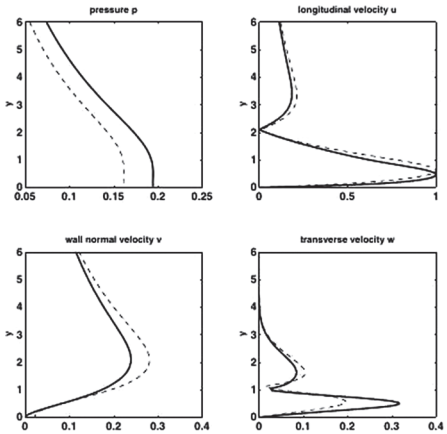
To place the numerical boundary at $y = 0$, we use a first order Taylor expansion in η, thus replacing the first condition above with $u + \eta U' = 0$, the other two remaining unchanged. The boundary conditions and the plate's equation can be rendered dimensionless by adopting appropriate scale.

Becomes:

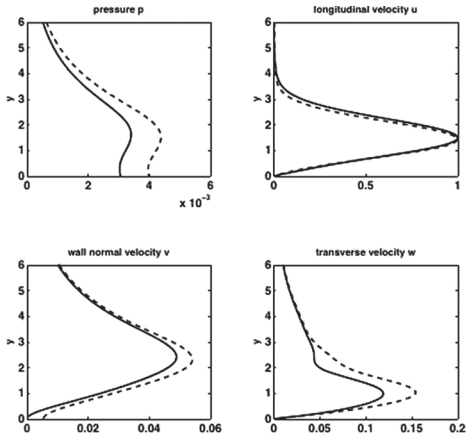
To place the numerical boundary at $y = 0$ we use a first order Taylor expansion in η, thus replacing the first condition above with $u + \eta U' = 0$, and the third one with $w + \eta W' = 0$. The boundary conditions and the plate's equation can be rendered dimensionless by adopting appropriate scale.

a)Electronic mail: franck.pluvinage@univ-orleans.fr

(4) New Figure 7 is:

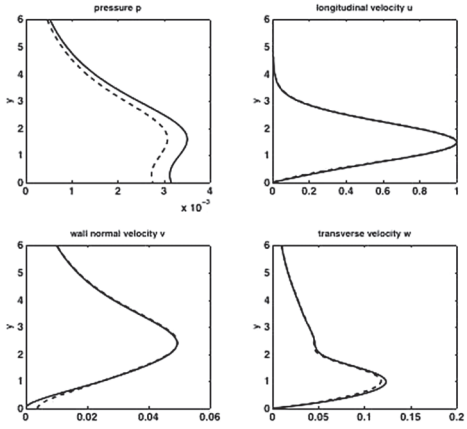


(a)TS mode; Plain line : $a = 0$, $Re = 1520$ and $\alpha = 0.169$; Dashed line: $a = 0.1$, $Re = 450$ and $\alpha = 0.191$

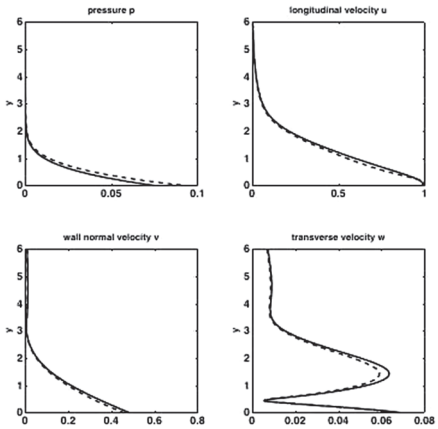


(b)CF mode; Plain line : $a = 0$, $Re = 242$ and $\alpha = 0.038$; Dashed line: $a = 1$, $Re = 231$ and $\alpha = 0.058$

(5) New Figure 12 is:



(a)CF mode at $Re = 242$ and $\alpha = 0.04$; Plain line : $a = 0$, ; Dashed line: $a = 1$



(b)TWF mode at $Re = 140$ and $\alpha = 0.25$; Plain line : $a = 0$; Dashed line: $a = 1$