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H. BEIRÃO DA VEIGA

**Errata-Corrige : “Diffusion on viscous fluids. Existence
and asymptotic properties of solutions”**

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ERRATA - CORRIGE

**Diffusion on Viscous Fluids.
Existence and Asymptotic Properties of Solutions.**

H. BEIRÃO DA VEIGA

Serie IV, vol. X, n. 2 (1983), pp. 341-355

In the paper by the same title appeared in this Journal the following minor corrections must be made, even if they are quite obvious to a careful reader:

p. 344: In the right hand side of the first equation (1.1) one must replace $-\nabla\varrho$ by $-\nabla p$. Moreover in equation (1.3) the symbol \geq must be replaced by $<$.

p. 345: In theorem A, it is obvious that the condition

$$\varrho_0 \in H_N^2$$

must be replaced by

$$\varrho_0 - \hat{\varrho} \in H_N^2.$$

Similarly, (in the same theorem) in the expression

$$\varrho \in L^2(0, T_1; H_N^2) \cap C(0, T_1; H_N^2)$$

ϱ must be replaced by $\varrho - \hat{\varrho}$.

p. 348: In the right hand side of equation (2.8), λ^2/ϱ^2 must be replaced by λ^2/ϱ .

Moreover, in equation (2.10) $v \cdot \nabla \sigma$ must be replaced by $-v \cdot \nabla \sigma$.

p. 350: In the definition of \mathcal{K}_2 the term

$$\|\sigma'\|_{L^2(0, T; H^1)}^2$$

must be replaced by

$$\|\sigma'\|_{L^2(0, T; H^1)}^2.$$

Moreover, in the definition of K_0 (line 20), $\sqrt{2}e_2$ must be replaced by $\sqrt{2c_2}$.

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