**ADDENDUM** to the paper "Global existence, uniqueness and regularity of solutions to a Von Karman system with nonlinear boundary dissipation" by "A. Favini, M.A. Horn, I. Lasiecka and D. Tataru;" Differential and Integral Equations, vol. 9, No. 2 (1996), 267–294.

The aim of this note is to correct an error in [1] and to simplify some of the proofs there. Part (ii) of Theorem 5.1 in [1] is incorrect, and this also affects the proof of Theorem 2.1. This can be corrected as follows:

Correction to the proof of Theorem 2.1 in [1]. All the  $H^3(\Omega)$  norms should be substituted by  $W^{2,\infty}(\Omega)$  norms.

The additional regularity of the Airy stress functions claimed in part (i) of Theorem 5.1 in [1] can be further improved. Theorem 5.1 is restated as follows:

**Theorem 0.1.** The map  $(u, v) \to G(u, v)$  is bounded from  $H^2(\Omega) \times H^2(\Omega) \to H^3(\Omega) \cap W^{2,\infty}(\Omega) \cap W^{4,1}(\tilde{\Omega}).$ 

**Proof.** The  $H^3(\Omega) \cap W^{4,1}(\tilde{\Omega})$  regularity has been shown already in [1]. It suffices to establish the  $W^{2,\infty}(\Omega)$  regularity. In effect one can prove that if  $u, v \in H^2$ , then G(u, v) is in the Triebel-Lizorkin space  $F_{1,2}^4(\Omega)$  which embeds into  $W^{2+2/p,p}$  for all  $1 \leq p \leq \infty$ . Since  $[u, v] \in H_1(\Omega) = F_{1,2}^0(0)$ , this follows from results on elliptic boundary value problems in [2]. However, in the sequel we give a more elementary proof of the Theorem.

Step 1. Extend u, v outside  $\Omega$  and get  $[u, v] \in H_1 \subset H^{-1}(\mathbb{R}^2)$  as in [1]. Step 2. Solve first

$$\Delta^2 G_0 = [u, v] \quad \text{in } R^2$$

We get  $G_0 \in W^{4,1}(R^2) \subset C^2(R^2) \cap H^3(\Omega)$  (details as in case (a) p. 290 [1]).

Then  $G_1 = G - G_0 \in H^3(\Omega)$  solves the inhomogeneous elliptic boundary value problem

$$\Delta^2 G_1 = 0 \quad \text{in} \quad \Omega \tag{1}$$

$$G_1 = -G_0 \in W^{3,1}(\Gamma) \tag{2}$$

$$\partial_{\nu}G_1 = -\partial_{\nu}G_0 \in W^{2,1}(\Gamma).$$
(3)

It suffices to prove the following regularity:

$$G_1 \in W^{2,\infty}(\Omega). \tag{4}$$

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