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Errata

Erratum to the paper *I.A. Ryzhkova* "On Trace Regularity of Solutions to a Wave Equation with Homogeneous Neumann Boundary Conditions" (J. Math. Phys. Anal. Geom., **3** (2007), No. 4, 468–489).

There are errors in the statements of Theorem 3 (ii), Corollary 1 (ii), Theorem 4 (ii) of the paper. In these points the space $L^\infty(0,T;H^{-1/4+\theta-\epsilon}(B))$ and the norm in it are to be replaced by the space $L^\infty(0,T;H^{-1/2+\theta-\epsilon}(B))$ and the corresponding norm. Thus, these statements must look as follows.

Theorem 3. *(ii):* $(\partial_t + U\partial_{x_1})\gamma[\phi] = f_1 + f_2$, *where* $f_1 \in L^\infty(0,T;H_{loc}^{-1/2+\theta-\epsilon}(\mathbb{R}^2))$ *for any* $\epsilon > 0$, $f_2 \in L^2(0,T;H_{loc}^\theta(\mathbb{R}^2))$, *and*

$$||f_1||_{L^\infty(0,T;H^{-1/2+\theta-\epsilon}(B))} \le C(T,U,B,\epsilon)\left(||\nabla\phi_0||_{\theta,\mathbb{R}^3_+} + ||\phi_1||_{\theta,\mathbb{R}^3_+}\right),$$
$$||f_2||_{L^2(0,T;H^\theta(B))} \le C(T,U,B)\left(||\nabla\phi_0||_{\theta,\mathbb{R}^3_+} + ||\phi_1||_{\theta,\mathbb{R}^3_+}\right)$$

for any bounded set $B \subset \mathbb{R}^2$.

Theorem 4. *(ii): Let* $f \in L^\infty(\mathbb{R}_+;H^\theta(\mathbb{R}^3_+))$. *Then* $(\partial_t + U\partial_{x_1})\gamma[\phi] = f_1 + f_2$, *where* $f_1 \in L^\infty(0,T;H^{-1/2+\theta-\epsilon}(\mathbb{R}^2))$, $\epsilon > 0$, $f_2 \in L^2(0,T;H^\theta(\mathbb{R}^2))$, *and the following estimates are valid:*

$$||f_1||_{L^\infty(0,T;H^{-1/2+\theta-\epsilon}(\mathbb{R}^2))} \le C(T,U,\epsilon)||f||_{L^\infty(\mathbb{R}_+;H^\theta(\mathbb{R}^3_+))},$$
$$||f_2||_{L^2(0,T;H^\theta(\mathbb{R}^2))} \le C(T,U)||f||_{L^\infty(\mathbb{R}_+;H^\theta(\mathbb{R}^3_+))}.$$

Appropriate changes should be made in Corollary 1 (ii) and in the proofs of these theorems. The statements of Theorem 3 (i), Corollary 1 (i), Theorem 4 (i) hold true as formulated in the paper.