Erratum

Erratum to: Non-Existence of Global Solutions For a Quasilinear Benney System

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Theorem 2.1 is not a straightforward variant of Theorem 1.2 in [1], with $\mathbb{R}$ replaced by $\mathbb{R}_+$ and $H^1(\mathbb{R})$ replaced by $H_o^1(\mathbb{R}_+)$, as referred in the paper, since its correct proof cannot be easily derived from T. Kato's Theorem 6 in [2]. However, all results stated in Theorem 2.1 remain true. Moreover, all results proved in Sect. 3 and 4 apply to any local in time solution (u, v) verifying the properties described in Theorem 2.1. There is also a misprint in formula (4) in Theorem 2.2, where v^2 must be replaced by $v|u|^2$.

References

- [1] Dias, J.P., Figueira, M., Oliveira, F.: Existence of local strong solutions for a quasilinear Benney system. C. R. Acad. Sci. Paris I **344**, 493–496 (2007)
- [2] Kato, T.: Quasilinear equations of evolution, with applications to partial differential equations. In: Lecture Notes in Mathematics, vol. 448, pp. 335–365. Springer, Heidelberg (1975)

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