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Corrigendum to "Convergence of curve shortening flow to translating soliton"

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American Journal of Mathematics, Volume 143, Number 5, October 2021, pp. 1337-1338 (Article)

Published by Johns Hopkins University Press

DOI: <https://doi.org/10.1353/ajm.2021.0032>

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CORRIGENDUM TO “CONVERGENCE OF CURVE SHORTENING FLOW TO TRANSLATING SOLITON”

By BEOMJUN CHOI, KYEONGSU CHOI, and PANAGIOTA DASKALOPOULOS

Abstract. Two bibliographical entries and one remark are added in proof to “Convergence of curve shortening flow to translating soliton”, by B. Choi, K. Choi, and P. Daskalopoulos [*Amer. J. Math.* **143** (2021), no. 4, 1043–1077].

1. The two bibliographical entries listed below should have been added in proof to the following article at the end of the references section: “Convergence of curve shortening flow to translating soliton”, by B. Choi, K. Choi, and P. Daskalopoulos [*Amer. J. Math.* **143** (2021), no. 4, 1043–1077]:

References. (added in proof):

[20] S. J. Altschuler and M. A. Grayson, Shortening space curves and flow through singularities, *J. Differential Geom.* **35** (1992), no. 2, 283–298.

[21] A. Polden, Evolving curves, Honours thesis, Australian National University, 1991.

2. The following remark should also have been added in proof after Remark 1.2:

Remark. (added in proof) Given a complete convex CSF solution M_t defined in a slab region, and any sequence $t_i \rightarrow +\infty$, then the sequence of flows $M_t^i =: M_{t-t_i} - x_{\text{tip}}(t_i)$, where $x_{\text{tip}}(t)$ denotes the tip of M_t , sub-converges to an eternal solution. By applying the Harnack inequality one can then show that the limiting eternal solution is a Grim Reaper. See Hamilton [17], Altschuler-Grayson [20], and Polden [21]. Our result shows that the limit is *uniquely determined by the asymptotic slab*.

A corrected pdf file of the complete manuscript is available, free of charge, at the following link:

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The authors and editors regret these omissions.

Manuscript received July 6, 2021.

American Journal of Mathematics 143 (2021), 1337–1338. © 2021 by Johns Hopkins University Press.

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