

# Minimal Surface Generating Flow

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This work introduces new geometric flow for space curves with positive curvature and torsion. Curves evolving according to this motion law trace out a zero mean curvature surface. We present properties of the motion law, discuss its limitations and outline future work directions.

**Joint work with:** Michal Beneš

## References

- [1] J. Minarčík, M. Beneš. Minimal surface generating flow for space curves of non-vanishing torsion. *Discrete & Continuous Dynamical Systems - B*, to appear, 2022.
- [2] J. Minarčík, M. Beneš. Nondegenerate Homotopy and Geometric Flows. *Homology, Homotopy and Applications*, to appear, 2022.