

Selected publications*

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Papers, books and theses

- [DPK22a] Thierry Dana-Picard and Zoltán Kovács. “Experimental Study of Isoptics of a Plane Curve Using Dynamical Coloring”. In: *Mathematics Education in the Age of Artificial Intelligence: How Artificial Intelligence can Serve Mathematical Human Learning*. Ed. by Philippe R. Richard, M. Pilar Vélez, and Steven Van Vaerenbergh. Cham: Springer International Publishing, 2022, pp. 231–250. ISBN: 978-3-030-86909-0. DOI: 10.1007/978-3-030-86909-0_11.
- [DPK22b] Thierry (Noah) Dana-Picard and Zoltán Kovács. “Offsets of Cassini ovals”. In: *The Electronic Journal of Mathematics and Technology* 16.1 (2022), pp. 25–39.
- [KRV22a] Zoltán Kovács, Tomás Recio, and M. Pilar Vélez. “Alternative solutions and comments to the Problem Corner – October 2021 issue”. In: *The Electronic Journal of Mathematics and Technology* (2022). https://php.radford.edu/~ejmt/ProblemCornerDocs/eJMT_Alternative_Solutions_to_Oct2021.pdf.
- [KRV22b] Zoltán Kovács, Tomás Recio, and M. Pilar Vélez. “Automated Reasoning Tools with GeoGebra: What Are They? What Are They Good For?”. In: *Mathematics Education in the Age of Artificial Intelligence: How Artificial Intelligence can Serve Mathematical Human Learning*. Ed. by Philippe R. Richard, M. Pilar Vélez, and Steven Van Vaerenbergh. Cham: Springer International Publishing, 2022, pp. 23–44. ISBN: 978-3-030-86909-0. DOI: 10.1007/978-3-030-86909-0_2.
- [KV22] Zoltán Kovács and Róbert Vajda. “Symbolic Comparison of Geometric Quantities in GeoGebra”. In: Proceedings 10th International Workshop on *Theorem Proving Components for Educational Software*, (Remote) Carnegie Mellon University, Pittsburgh, PA, United States, 11 July 2021. Ed. by João Marcos, Walther Neuper, and Pedro Quaresma. Vol. 354. Electronic Proceedings in Theoretical Computer Science. Open Publishing Association, 2022, pp. 13–25. DOI: 10.4204/EPTCS.354.2.
- [KY22] Zoltán Kovács and Jonathan H. Yu. “Automated Discovery of Geometrical Theorems in GeoGebra”. In: Proceedings 10th International Workshop on *Theorem Proving Components for Educational Software*, (Remote) Carnegie Mellon University, Pittsburgh, PA, United States, 11 July 2021. Ed. by João Marcos, Walther Neuper, and Pedro Quaresma. Vol. 354. Electronic Proceedings in Theoretical Computer Science. Open Publishing Association, 2022, pp. 1–12. DOI: 10.4204/EPTCS.354.1.
- [Agg+21] Anurag Aggarwal, Zoltán Kovács, Jonathan Wolfe, and J.B. Langston. “XaoS 4.0 and Beyond: Fractals in Mathematics Education”. In: *Mathematics in Computer Science* 15 (4 2021), pp. 775–788. ISSN: 1661-8289. DOI: 10.1007/s11786-021-00505-4.
- [BKV21b] Christopher W. Brown, Zoltán Kovács, and Róbert Vajda. “Supporting Proving and Discovering Geometric Inequalities in GeoGebra by using Tarski”. In: Proceedings of the 13th International Conference on *Automated Deduction in Geometry*, Hagenberg, Austria/virtual, September 15-17, 2021. Ed. by Predrag Janičić and Zoltán Kovács. Vol. 352. Electronic Proceedings in Theoretical Computer Science. Open Publishing Association, 2021, pp. 156–166. DOI: 10.4204/EPTCS.352.18.

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- [DPK21b] Thierry Dana-Picard and Zoltán Kovács. “Automated exploration of envelopes and offsets with networking of technologies”. In: *26th Conference on Applications of Computer Algebra, Book of Abstracts*. https://aca2021.sba-research.org/data/ACA_2021_Book_of_Abstracts.pdf. July 2021.
- [DPK21c] Thierry Dana-Picard and Zoltán Kovács. “Offsets of a regular trifolium (Curvas paralelas a un trifolium regular)”. In: *Boletín de la Soc. Puig Adam* 112 (2021), pp. 63–81.
- [DPK21d] Thierry (Noah) Dana-Picard and Zoltán Kovács. “Networking of technologies: a dialog between CAS and DGS”. In: *The Electronic Journal of Mathematics and Technology* 15.1 (2021), pp. 43–59.
- [JK21] Predrag Janičić and Zoltán Kovács. “Preface”. In: Proceedings of the 13th International Conference on *Automated Deduction in Geometry*, Hagenberg, Austria/virtual, September 15-17, 2021. Ed. by Predrag Janičić and Zoltán Kovács. Vol. 352. Electronic Proceedings in Theoretical Computer Science. Open Publishing Association, 2021, pp. 3–6. DOI: 10.4204/EPTCS.352.0.
- [KRV21a] Z. Kovács, T. Recio, and M. P. Vélez. “Approaching Cesàro’s inequality through GeoGebra Discovery”. English. In: *Proceedings of the Asian Technology Conference in Mathematics*. 2021, pp. 160–174.
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- [Kov+21c] Zoltán Kovács, Tomás Recio, Róbert Vajda, and M. Pilar Vélez. “Is computer algebra ready for conjecturing and proving geometric inequalities in the classroom?” In: *26th Conference on Applications of Computer Algebra, Book of Abstracts*. https://aca2021.sba-research.org/data/ACA_2021_Book_of_Abstracts.pdf. July 2021.
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- [TK21b] Alexander Thaller and Zoltán Kovács. “Online Generation of Proofs Without Words”. In: Proceedings of the 13th International Conference on *Automated Deduction in Geometry*, Hagenberg, Austria/virtual, September 15-17, 2021. Ed. by Predrag Janičić and Zoltán Kovács. Vol. 352. Electronic Proceedings in Theoretical Computer Science. Open Publishing Association, 2021, pp. 103–105. DOI: 10.4204/EPTCS.352.10.
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