



CV

1. **Name-Surname** : Mahmut Kudeyt
2. **Birth Date** : 25.11.1984
3. **Academic Title** : Assistant Professor
4. **Education** : PhD
5. **Affiliation** : Işık University

Degrees	Department	University	Dates
BS	Mathematics	Yıldız Technical University	2008
MS	Mathematics	Yıldız Technical University	2011
PhD	Mathematics	Yıldız Technical University	2017

6. Publications

6.1. Journal Publications (SCI,SSCI,Arts and Humanities)

- 1) Kudeyt, M., Kıvılcım, A., Köksal-Ersöz, E., İlhan, F., & Karabacak, Ö. (2023). Certification of almost global phase synchronization of all-to-all coupled phase oscillators. *Chaos, Solitons & Fractals*, 174, 113838.
- 2) Esen, O., Kudeyt, M., & Sütü, S. (2023). Tulczyjew's triplet with an Ehresmann connection I: Trivialization and reduction. *International Journal of Geometric Methods in Modern Physics*, 20(04), 2350059.
- 3) Esen, O., Kudeyt, M., & Sütü, S. (2021). Second order Lagrangian dynamics on double cross product groups. *Journal of Geometry and Physics*, 159, 103934.

6.2. Journal Publications (Non-SCI)

- 1) Hansen, A. K., & Kudeyt, M. (2019). Controllability of affine systems on free Nilpotent Lie groups $G_{m,r}$. *Proyecciones (Antofagasta)*, 38(3), 499-509.

6.3. Conference Papers

- 1) Gökçen, A., İlhan, F., Kudeyt, M., Sahin, S., & Karabacak, Ö., "Ters Sarkaç Yukarı Salınım Kontrol Problemine Dual Lyapunov Tabanlı Bir Çözüm", TOK 2023.

- 2) Esen, O., Kudeyt, M., & Sütlü, S., “Tulczyjew’s Triplet: Trivialization and Reduction”, Workshop on Nonlinear Systems II, 2020.
- 3) Hansen, Kara, A., & Kudeyt, M., “A Generalized of Lucky Guess Lie Group $LG(3n)$ and Its Lie Algebra $lg(3n)$ ”, 28. Ulusal Matematik Sempozyumu, 2015.
- 4) Hansen, Kara, A., Kudeyt, M., “Controllability of affine systems and 3-dimensional Lie groups”, International Congress of Mathematicians, Seoul, Korea, 2014.

6.4. Journal Publications (Local Journals)

- 1) Esen., O., Kudeyt, M., & Sütlü, S. (2021). EŞLENMİŞ LİE GRUPLARI ÜZERİNDEKİ LAGRANGE FARK DENKLEMLERİ. International Journal of Advances in Engineering and Pure Sciences, 33(2), 250-258.

6.6. Journal Publications (Others)

- 1) Hansen, Kara, A., Kudeyt, M.. A GENERALIZATION OF LUCKY GUESS LIE GROUP $LG(3n)$ AND ITS LIE ALGEBRA $lg(3n)$. Sigma Journal of Engineering and Natural Sciences, 2015, 33.3: 429-437.

7. Projects

- 1) TÜBİTAK 1001, “Improving the Dual Lyapunov Theory in Control Engineering,”, Researcher, Project No: 122E522, 2023-2025.
- 2) TÜBİTAK 2218, “Reduction of Tulczyjew’s Triplet”, 2019-2021.

8. Course Taught.

Dates	Terms	Courses
2017-2018	Fall	
	Spring	Mathematics 1
2018-2019	Fall	Calculus 1
	Spring	
2021-2022	Fall	Computational Thinking
	Spring	Thinking Mathematically
2022-2023	Fall	Computational Thinking
	Spring	Thinking Mathematically
2023-2024	Fall	Computational Thinking
	Spring	Thinking Mathematically

9. Employment History

No	University	Dates	Academic Title
1	Işık University	August 2014-January 2018	Research Assistant
2	Işık University	January 2018- January 2019	Instructor
3	Gebze Technical University	February 2019-March 2021	Postdoc Researcher
4	Kadir Has University	June 2021-June 2024	Instructor
5	Kadir Has University	July 2024-September 2024	Postdoc Researcher
6	Işık University	September 2024-	Assistant Professor