

LIE GROUP STRUCTURE ON $n \times n$ MARKOV MATRIX

Şenay Baydaş¹, Bülent Karakaş²

Yüzüncü Yıl University, Van, Türkiye
Yüzüncü Yıl University, Van, Türkiye

MSC 2000: 51B25

Abstract

This paper presents a Lie group structure on the set of all $n \times n$ Markov matrices.

Keywords: Lie groups, Markov matrices.

References

- [1] J. G. Sumner, Lie Geometry of 2×2 Markov Matrices, *Journal of Theoretical Biology* **327** (2013) 88-90.
- [2] J. G. Sumner, Fernandez-Sanchez, J., Jarvis. P.D., Lie Markov Models, *Journal of Theoretical Biology* **298** (2012) 16-31.

¹senay.baydas@gmail.com

²bkarakas@mit.edu