

MEASURES AS GRAPH LIMITS

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We investigate so called s -convergence, which is one of the many convergence notions of sequences of graphs, recently introduced by Kunszenti-Kovács, Lovász, and Szegedy in [2]. We provide an alternative approach to s -convergence. The original definition is based on the convergence of certain compact sets, called k -shapes, of k -by- k matrices. We show that this is equivalent to the convergence of certain compact sets of Borel probability measures.

This talk is based on the paper [1].

REFERENCES

- [1] M. Doležal, *Graph limits: An alternative approach to s -graphons*. J Graph Theory. 2022; 99: 90–106. <https://doi.org/10.1002/jgt.22728>
- [2] D. Kunszenti-Kovács, L. Lovász, B. Szegedy, *Measures on the square as sparse graph limits*, J. Combin. Theory Ser. B 138 (2019), 1–40.

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