

Theoretical Principles of Deep Learning

CentraleSupélec MDS 2025/2026 - Paper Reading Assignment

On Exact Computation with an Infinitely Wide Neural Net

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1 Introduction and Contributions

[1]

2 Paper Overview

3 Methodology

4 Data and Experimental Setup

5 Results

6 Conclusion and Discussion

References

- [1] Sanjeev Arora, Simon S. Du, Wei Hu, Zhiyuan Li, Ruslan Salakhutdinov, and Ruosong Wang. On exact computation with an infinitely wide neural net, 2019. URL <https://arxiv.org/abs/1904.11955>.

A Appendix: Appendix section