

“Daily-Log of Internship at ZIB”

Utkarsh Sharma

22/5/23 - present

- **May 22, 2023:**
 - Started with Class on Prox methods and non-smooth convex optimization
 - Installed Julia locally and learnt its basic syntax
 - Submitted Homework exercises pertaining to Lecture-1
- **May 23, 2023:**
 - Read [1] sections 1 - 3
 - Went through class Lecture 2’s notes and completed its exercises
 - Read [2] pages 1-10, with special attention to the assumptions listed and Algorithm - 1

References

- [1] D. Drusvyatskiy, The proximal point method revisited (2017) 1–4.
- [2] P. R. Johnstone, J. Eckstein, [Projective splitting with forward steps: Asynchronous and block-iterative operator splitting](#), arXiv preprint arXiv:1803.07043 (Aug 2020). [arXiv:1803.07043](#). URL <https://arxiv.org/abs/1803.07043v7>