

# Nick's Table of Contents

1. Introduction
2. Preliminaries
3. Backward Reachability for Neural Feedback Loops: Breach-LP (Claim #1)
  - a. Intro
  - b. Methods
  - c. Results
4. Improving Scalability of BReach-LP via Guided Partitioning (Claim #2)
  - a. Intro
  - b. Methods
  - c. Results
5. A Hybrid Partitioning Strategy for Improved Approximation of Back-projection Sets (Claim #3)
  - a. Intro
  - b. Methods
  - c. Results
6. Conclusion