1. Goal

- Sound, precise, scalable and global static analyzer

2. Sparse Analysis Framework

- Right Part at Right Moment

3. Selective X-sensitive Analysis

- X-sensitivity When Necessary

4. Experimental Results & Conclusion

- Sparrow, a industrial-strength static analyzer for C
- 1 MLOC with interval domain in 10 hr, 100 KLOC with octagon domain in 20 hr by Sparse Analysis
- 24.4% of false alarms are reduced, 27.8% overhead by Selective Context-sensitive Analysis