## SLRealizer:

## Catalog-level searching of gravitationally-lensed quasars for LSST





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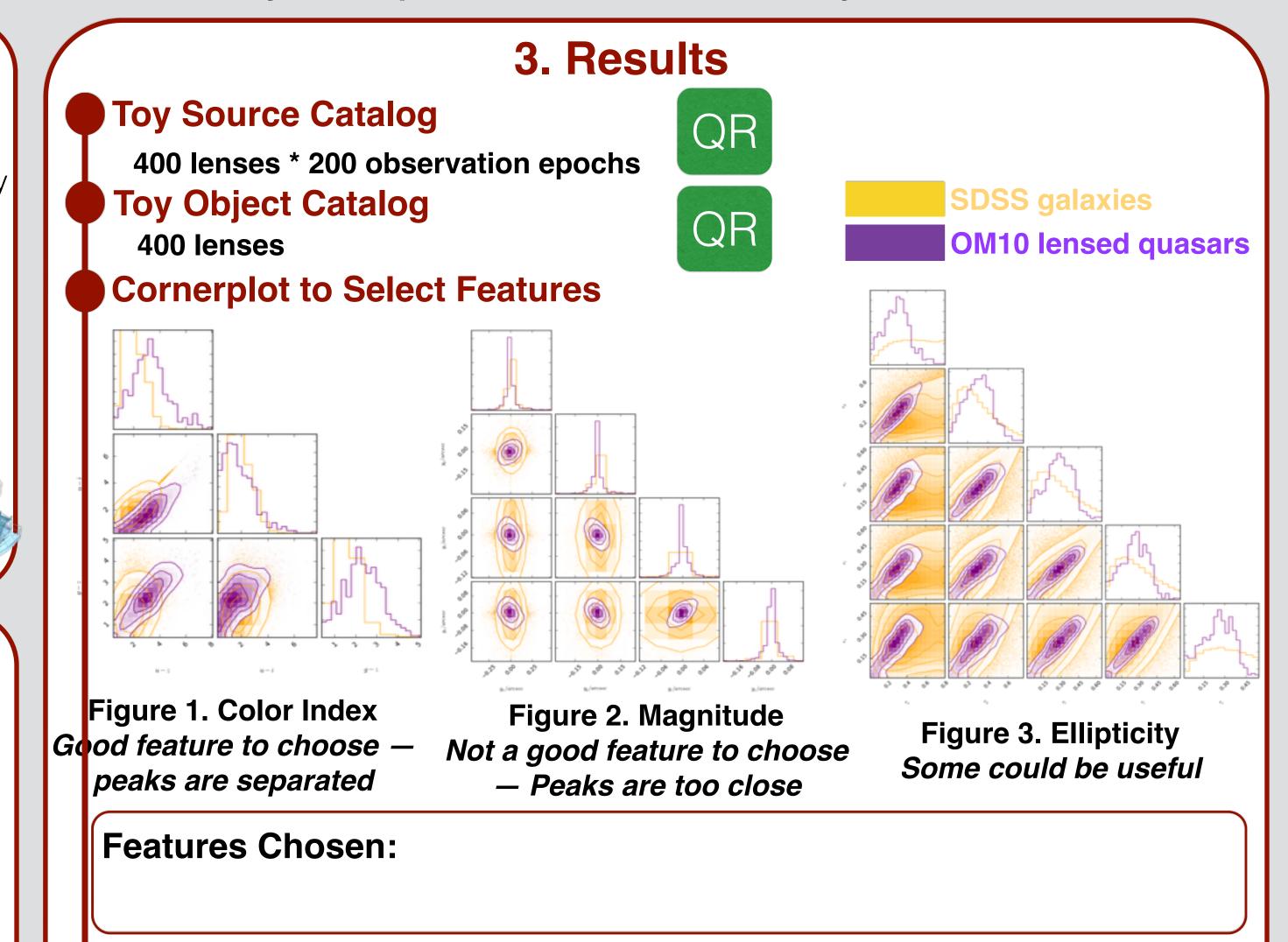


## 1. Introduction

- **LSST**(Large Synoptic Sky Telescope) will start running in 2019
- 4.8m telescope in Chile, Ten years of sky survey
  Expected to find substantial number of
  gravitationally-lensed quasars, that could be
  used to study time-delay cosmology
  - Current Problem: LSST will produce ~30
    Terabytes of data very costly, if not impossible, to go through all the LSST image data to find the lensed quasars

Need a simpler, more economic way to find those quasars

## 2. Methods



Classification

4. Future Works

(5. Acknowledgements)

6. Results