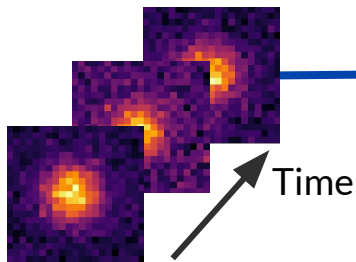


Synthetic

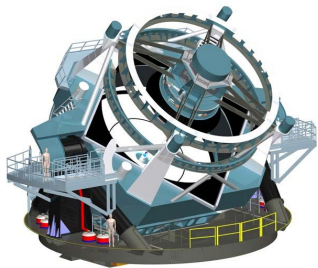


Training with synthetic data

Machine Learning
Classifier Model

- No need for computing difference image or the light curve.
- Simulation allows us to have samples of any star model without observing it with real instruments.

Real Data



After training
Predict class with real data

Machine Learning
Classifier Model

Real objects
classification

If real labeled data is available,
perform fine tuning