

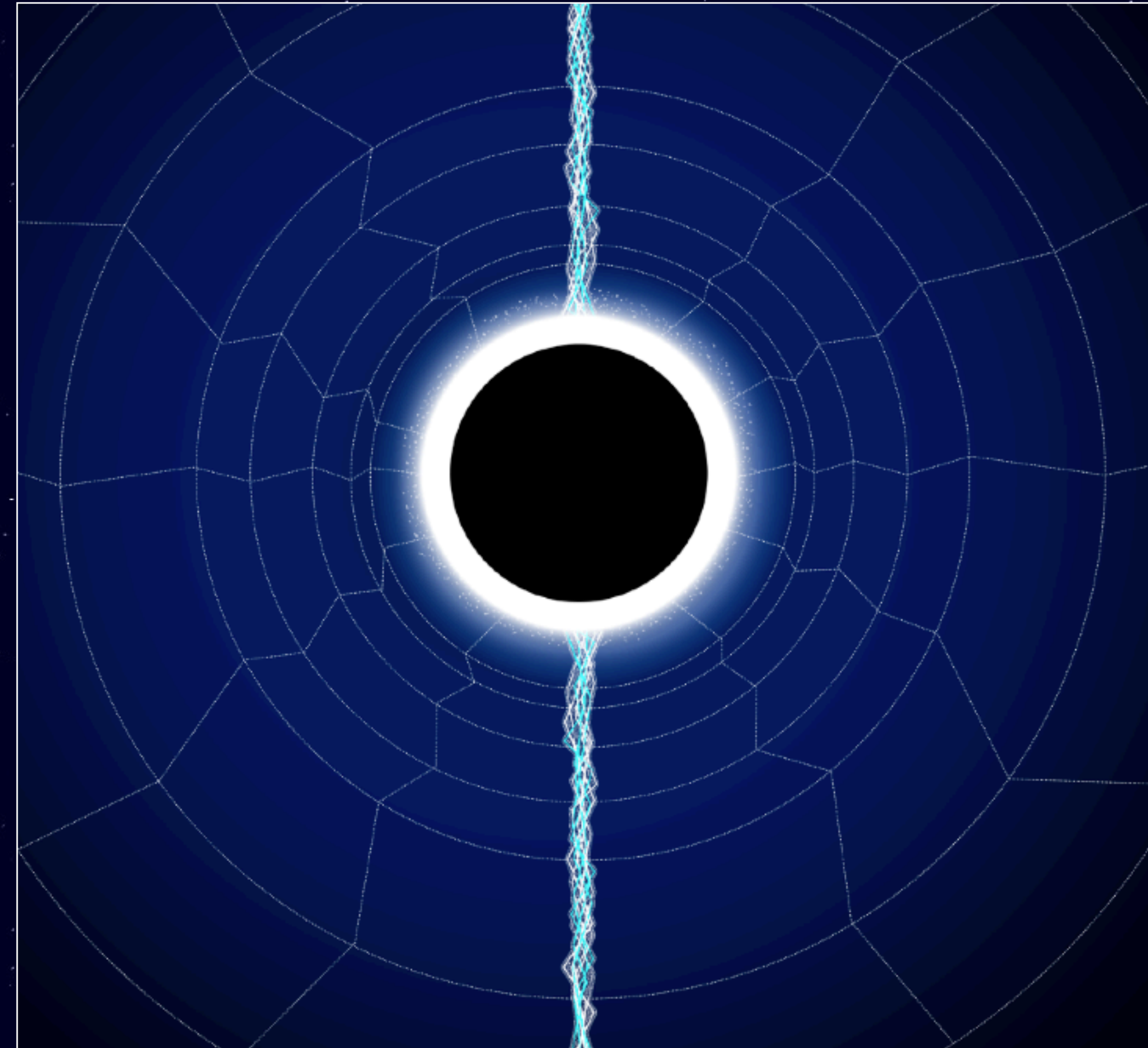


# MISSION:

Building a Cyberoptic Artificial Telescope for  
Astrophysical Object Classification

## OBJECTIVES:

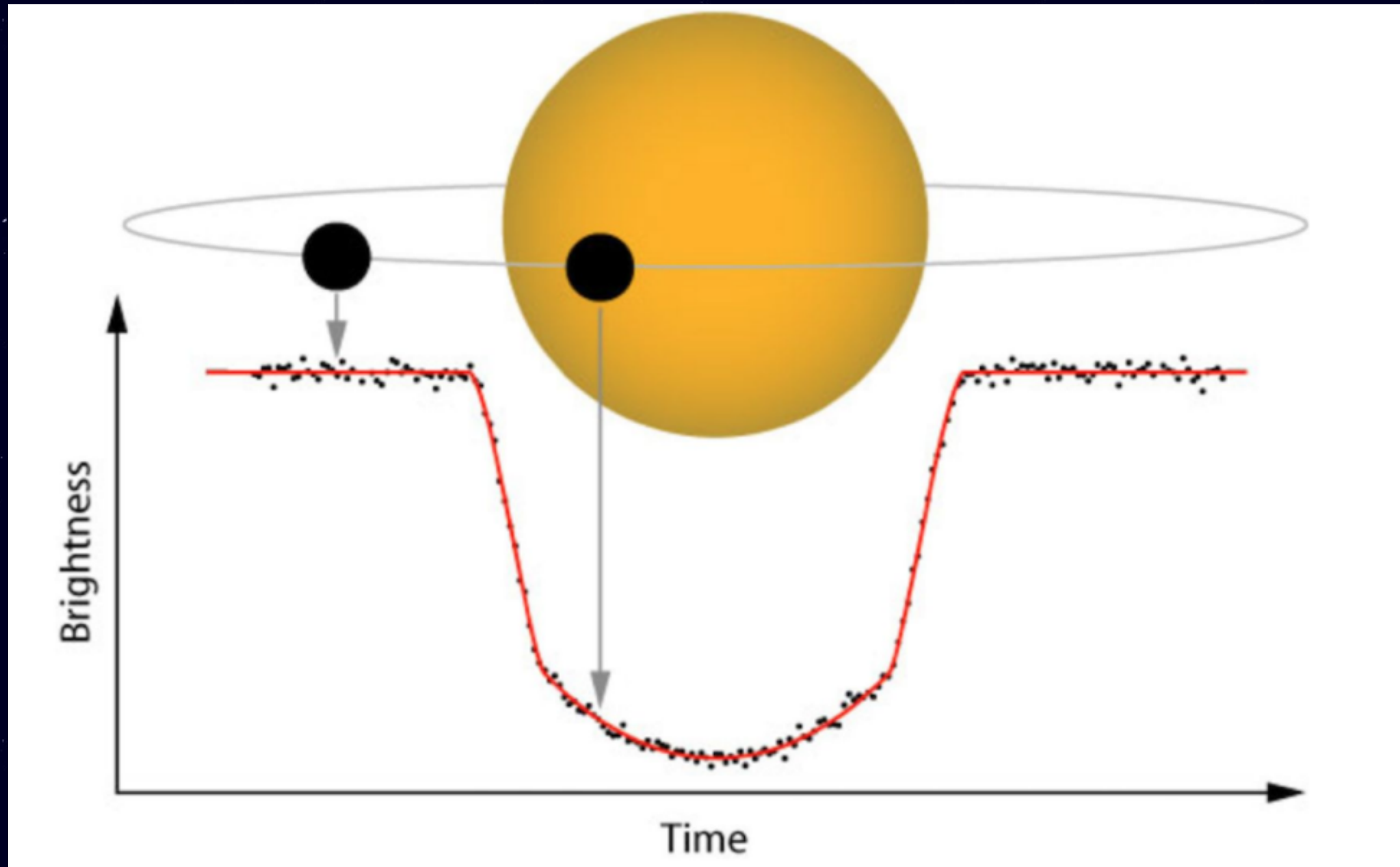
- Avoid "black box" algorithms
- Account for the physics (not just math!)
- Know the telescope's properties
- Correct for data collection issues/errors



source: original drawing by Ru Kein



# HUNTING FOR EXOPLANETS



source: NASA

## EXOPLANET:

planet outside of our solar system

## FLUX:

variation or change in light values (of stars)

## TCE:

threshold crossing event (see image)

