

Scientific Aims



+ Time Domain (India)

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Year long SAMSI - ASTRO

WG2 subgroups

1. Data Challenge
2. Designer Features
3. Scheduling Obs
4. Interpolating Lightcurves
5. Incorporating Non-Structured Ancillary Info
6. Outlier Detection
7. Domain Adaptation
8. Lightcurve Decomposition
9. Period Finding

Overall WG2 leaders:
Ashish Mahabal
Jogesh Babu

**Interconnectivity
of the subgroups**

~25 members
Opening Workshop
biweekly telecons
Follow-up meetings

Connection to LSST “community”

Aims for This Meeting

- Present challenges
- Foster collaborations
- Discussions, discussions, discussions, ...

- Interconnectedness of the work
 - Physics of individual types
 - Classification is one of the over-arching themes
 - Nature of light-curves: filling gaps, decomposing them, features to separate classes, subspaces to match cadences, determining outliers, incorporating ancillary information and determine best times to classify the sources
 - That is the grand (data-)challenge