

Citations for LSST papers

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Abstract

This document provides information about science and technology papers that describe LSST infrastructure. These papers should be referenced when describing the LSST system and its anticipated science outcome. Doing so will refer the readers to the most relevant publications and also recognize the contributions of those who brought the Project to fruition.

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1 LSST Project Publication Policy

The LSST Project Publication Policy can be obtained from the LSST website. The remainder of this document lists suggested papers to reference, organized by topics.

Files needed to make this file are available from:
<https://github.com/lsst-pst/LSSTreferences>

2 LSST System and Science

The LSST system (brief overview of telescope, camera and data management subsystems), science drivers and science forecasts are described in:

- LSST Science Requirements Document: Ivezić and LSST Science Collaboration [2013](#)
- LSST overview paper: Ivezić et al. [2008](#)
- LSST Science Book: Abell et al. [2009](#)

3 Simulations

The LSST simulations are described in a series of papers. Use of the LSST simulations should cite the LSST simulations overview paper Connolly et al. [2014](#) and the specific simulation tools used:

- LSST Catalogs (CatSim): Connolly et al. [2014](#)
- Operations Simulator (OpSim): Delgado et al. [2014](#)
- Metrics Analysis Framework (MAF): Jones et al. [2014](#)
- Image simulations (Phosim): Peterson et al. [2015](#)

4 Data Management

LSST data management and data products are described in:

- Data Products Definition Document: Jurić et al. [2013](#)
- Data Management System Design: Kantor et al. [2013](#)

5 Camera

- Design and development of the LSST camera: Kahn et al. [2010](#)

6 Telescope and Site

- Telescope and site overview and status in 2014: Gressler et al. [2014](#)

7 System Engineering

- LSST systems engineering: Claver et al. [2014](#)
- System verification and validation: Selvy, Claver, and Angeli [2014](#)

References

- Abell, P. A. et al. (2009). “LSST Science Book, Version 2.0”. In: arXiv:[0912.0201](#).
- Claver, C. F. et al. (2014). “Systems engineering in the Large Synoptic Survey Telescope project: an application of model based systems engineering”. In: *Modeling, Systems Engineering, and Project Management for Astronomy VI*. Ed. by George Z. Angeli and Philippe Dierickx. Vol. 9150. Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, p. 0. DOI: [10.1117/12.2056781](#).
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