Publications
Dr. rer. nat. Frank Löffler

Publications in Refereed Journals


Refereed publications in conference proceedings


**Book Chapters**


**Theses**


**Preprints, Conference Proceedings, Technical Reports**


Invited Presentations


Contributed Presentations


Frank Löffler. Stiffness effects on the dynamics of bar-mode instability in full general relativity. APS April Meeting, Denver, CO, April 2013.


Frank Löffler. The Einstein Toolkit, used for research of stiffness effects on the dynamics of bar-mode instability of compact stars. SCALA 2013: Scientific Computing Around Louisiana, Tulane University, New Orleans, February 2013.

Frank Löffler. The Einstein Toolkit. APS April Meeting, Atlanta, GA, USA, April 2012.


Frank Löffler and Oleg Korobkin. Converting a serial code to a parallel ARM code using the Cactus Computational Framework. TeraGrid11 conference, full-day tutorial, July 2011.

Frank Löffler. How to become a numerical astrophysicist. REU seminar at Louisiana State University, July 2011.


Frank Löffler. The Einstein Toolkit. APS Gulf Coast Gravity Meeting, Florida Atlantic University, May 2011.


Frank Löffler and Michael Thomas. Introduction to the Cactus Framework. Loni/HPC tutorial series, CCT Louisiana State University, March 2011.

Frank Löffler. Black hole - neutron star binary simulations - one decade ago and today. Group seminar, Department of Physics, Louisiana State University, March 2011.

Frank Löffler. Stars. Lecture given to students at the Westdale Heights Academic Magnet Elementary School, Baton Rouge, LA, USA, February 2012.

Frank Löffler. Stars. Lectures given to students of K to 4rd grade level students at the Westdale Heights Academic Magnet Elementary School, Baton Rouge, February 2013.

Frank Löffler. Colliding and exploding stars. Lecture given to students of K and 4rd grade level students at the Westdale Heights Academic Magnet Elementary School, Baton Rouge, February 2011.


Frank Löffler. The Einstein Toolkit. TAPIR group seminar, CalTech, November 2010.


[34] Frank Löffler. XiRel I/O benchmarks. XiRel Presentation, May 2009.


