Learning Kinematic Models of Articulated Objects

[B1] J. Sturm, 
Approaches to Probabilistic Model Learning for Mobile Manipulation Robots, 
Springer 2013.

[J1] J. Sturm, C. Stachniss and W. Burgard, 
A Probabilistic Framework for Learning Kinematic Models of Articulated Objects, 
Journal on Artificial Intelligence Research (JAIR), 41: 477-626, August 2011.

[PhD1] J. Sturm, 
Approaches to Probabilistic Model Learning for Mobile Manipulation Robots, 
University of Freiburg, Germany, May 2011, Received the Artificial Intelligence Dissertation Award 2011 (ECCAI) and the Wolfgang-Genter-Award 2011 (University of Freiburg); Finalist at the Georges-Giralt-Award 2012 (EURON); Selected for the Best Paper Track at IJCAI 2013.

[C1] J. Sturm, K. Konolige, C. Stachniss and W. Burgard, 
3D Pose Estimation, Tracking and Model Learning of Articulated Objects from Dense Depth Video using Projected Texture Stereo, 

Operating Articulated Objects Based on Experience, 

[C1] J. Sturm, C. Stachniss, V. Pradeep, C. Plagemann, K. Konolige and W. Burgard, 
Towards Understanding Articulated Objects, 

Learning Kinematic Models for Articulated Objects, 
Proc. of the International Joint Conference on Artificial Intelligence (IJCAI), July 2009.