



















## References

- [1] T. McGeer, "Passive Dynamic Walking," *the international journal of robotics research*, vol. 9.2, pp. 62-82, 1990.
- [2] F. R. Stöckli and K. Shea, "A Simulation-Driven Graph Grammar Method for the Automated Synthesis of Passive Dynamic Brachiating Robots," in *ASME International Design Engineering Technical Conferences*, Boston, 2015.
- [3] M. J. Coleman, A. Chatterjee and A. Ruina, "Motions of a rimless spoked wheel: a simple three-dimensional system with impacts," *Dynamics and Stability of Systems*, vol. 12.3, pp. 139-159, 1997.
- [4] H. Chen, "Passive dynamic walking with knees: A point foot model," *Diss. Massachusetts Institute of Technology*, pp. 15-20, 2007.
- [5] A. Goswami, B. Espiau and A. Keramane, "Limit cycles and their stability in a passive bipedal gait," in *Robotics and Automation, IEEE International Conference on. Vol. 1.* , 1996.
- [6] R. L. Tedrake, "Applied Optimal Control for Dynamically Stable Legged Locomotion," *Diss. Massachusetts Institute of Technology*, pp. 37-51, 2004.
- [7] A. Goswami, B. Thuilot and B. Espia, "Compass-like biped robot part I: Stability and bifurcation of passive gaits," pp. 36-47, 1996.
- [8] M. J. Coleman and A. Ruina, "An uncontrolled walking toy that cannot stand still," *Physical Review Letters*, vol. 16, 1998.
- [9] W. Morrison, "Designing Hopping Animals and Comic Book Character," Instructables, [Online]. Available: <http://www.instructables.com/id/Designing-Hopping-Animal-and-Comic-Book-Character-/?ALLSTEPS> . [Accessed 22 01 2015].
- [10] C. Mavrodís, "Fabrication of Non-Assembly Mechanisms and Robotic Systems Using Rapid Prototyping," State University of New Jersey, 2001.
- [11] J. Cali, D. A. Calian, C. Amati, R. Kleinberger, A. Steed, J. Kautz and T. Weyrich, "3D-Printing of Non-Assembly, Articulated Models," *ACM Transactions on Graphics (TOG)*, 2012.
- [12] M. Bäcker, B. Bickel, D. L. James and H. Pfister, "Fabricating Articulated Characters from Skinned Meshes," *ACM Transactions on Graphics*, 2012.
- [13] H. a. J. B. P. Lipson, "Automatic design and manufacture of robotic lifeforms.," *Nature*, vol. 406, no. 6799, pp. 974-978, 2000.
- [14] Siemens, *NX version 10*, 2014.
- [15] "uPrint SE 3D Printer Pack for 3D Modeling," StrataSys, [Online]. Available: <http://www.stratasys.com/3d-printers/idea-series/uprint-se-plus>. [Accessed 01 05 2015].
- [16] A. Ruina, "Passive Dynamic Walking at Cornell," Lab of Andy Ruina, [Online]. Available: <http://ruina.tam.cornell.edu/hplab/downloads/picsnfigs/tinkertoy.walker.photo.gif>. [Accessed 22 01 2015].