

# ACK

- Cindy Moss, Ben Falk, Murat Aytekin and others at the U. Maryland Bat Lab.
- Yossi Yovel, who provided bat photos.
- Various sources of funding.
- Bats (Chiroptera).

# references

- Gecko project: <http://robotics.eecs.berkeley.edu/~ronf/Gecko/index.html>
- Robotic Samara project: <http://www.avl.umd.edu/projects/proj9-robotic-samara.html>
- Visual stabilization in fly: <http://caltechcdstr.library.caltech.edu/172/>
- [1] Chiu, C. & Moss, C. F.. (2007). The role of the external ear in vertical sound localization in the free flying bat, *Eptesicus fuscus* J. Acoust. Soc. Am., Acoustical Society of America, 121(4): 2227-2235
- [2] Brain Facts. Produced by the *Society for Neuroscience*, 2008. <http://sfn.org/index.aspx?pagename=brainfacts>
- [3] Surlykke, A. & Moss, C. F.. (2000). Echolocation behavior of big brown bats, *Eptesicus fuscus*, in the field and the laboratory *Journal of the Acoustical Society of America*, 108(5): 2419-2429
- [4] Fourier series. (2010, July 3). In Wikipedia, The Free Encyclopedia. Retrieved 13:08, July 17, 2010, from [http://en.wikipedia.org/w/index.php?title=Fourier\\_series&oldid=371510590](http://en.wikipedia.org/w/index.php?title=Fourier_series&oldid=371510590)
- [5] Sinha, S. R. & Moss, C. F.. (2007). Vocal Premotor Activity in the Superior Colliculus *The Journal of Neuroscience*, Society for Neuroscience, 27(1): 98-110
- [6] Hartley, D. J. & Suthers, R. A.. (1989). The sound emission pattern of the echolocating bat, *Eptesicus fuscus* J. Acoust. Soc. Am., 85(3): 1348-1351
- [7] Ghose, K.; Moss, C. F. & Horiuchi, T. K.. (2007). Flying big brown bats emit a beam with two lobes in the vertical plane *Journal of the Acoustical Society of America*, 122(6): 3717-3724
- [8] Ghose, K.; Horiuchi, T. K.; Krishnaprasad, P. S. & Moss, C. F.. (2006). Echolocating Bats Use a Nearly Time-Optimal Strategy to Intercept Prey *PLoS Biology*, 4(5): 865-873
- [9] Ghose, K. & Moss, C. F.. (2006). Steering by Hearing: A Bat's Acoustic Gaze Is Linked to Its Flight Motor Output by a Delayed, Adaptive Linear Law *J. Neurosci.*, 26(6): 1704-1710
- [10] Yovel, Y.; Falk, B.; Moss, C. F. & Ulanovsky, N.. (2010). Optimal Localization by Pointing Off Axis *Science*, 327(5966): 701-704