

## 15-464 / 15-664 Reference List for Feb 3, 2015

Buss, Samuel R. "Introduction to inverse kinematics with jacobian transpose, pseudoinverse and damped least squares methods." *IEEE Journal of Robotics and Automation* 17 (2004): 1-19.  
<http://web.cse.ohio-state.edu/~parent/classes/694A/Lectures/Material/IKsurvey.pdf>

Yamane, Katsu, and Yoshihiko Nakamura. "Natural motion animation through constraining and deconstraining at will." *Visualization and Computer Graphics, IEEE Transactions on* 9, no. 3 (2003): 352-360.  
[http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=1207443](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1207443)

Lander, Jeff. "Oh My God, I Inverted Kine!." *Game Developer Magazine* 9 (1998): 9-14.  
[http://graphics.cs.cmu.edu/nsp/course/15464-s15/www/lectures/lec06/jlander\\_gamedev\\_sept98.pdf](http://graphics.cs.cmu.edu/nsp/course/15464-s15/www/lectures/lec06/jlander_gamedev_sept98.pdf)

Lander, Jeff. "Making kine more flexible." *Game Developer Magazine* 1, no. 15-22 (1998): 2.  
[http://graphics.cs.cmu.edu/nsp/course/15464-s15/www/lectures/lec06/jlander\\_gamedev\\_nov98.pdf](http://graphics.cs.cmu.edu/nsp/course/15464-s15/www/lectures/lec06/jlander_gamedev_nov98.pdf)

Aristidou, Andreas, and Joan Lasenby. "FABRIK: a fast, iterative solver for the inverse kinematics problem." *Graphical Models* 73, no. 5 (2011): 243-260.  
<http://www.andreasaristidou.com/FABRIK.html>

Grochow, Keith, Steven L. Martin, Aaron Hertzmann, and Zoran Popović. "Style-based inverse kinematics." In *ACM Transactions on Graphics (TOG)*, vol. 23, no. 3, pp. 522-531. ACM, 2004.  
<http://grail.cs.washington.edu/projects/styleik/>

Sumner, Robert W., Matthias Zwicker, Craig Gotsman, and Jovan Popović. "Mesh-based inverse kinematics." In *ACM Transactions on Graphics (TOG)*, vol. 24, no. 3, pp. 488-495. ACM, 2005.  
<http://people.csail.mit.edu/sumner/research/meshik/>

Zhao, Jianmin, and Norman I. Badler. "Inverse kinematics positioning using nonlinear programming for highly articulated figures." *ACM Transactions on Graphics (TOG)* 13, no. 4 (1994): 313-336.

<http://ai.stanford.edu/~latombe/cs99k/2000/badler.pdf>