

McClintock, Brett T., R. King, L. Thomas, J. Matthiopoulos, B. J. McConnell, and Juan M. Morales. 2012. A general discrete-time modeling framework for animal movement using multi-state random walks. *Ecological Monographs*.

## APPENDIX A

Strength of bias,  $\rho = \tanh(r\delta)$ , for the wrapped Cauchy distribution as a function of distance ( $\delta$ ) to a center of attraction.

