

Note on how the model and simulations data from Hamner et al. (2010) were adapted to be used in Example 1

The models used in this simulations were prepared as follows:

1. The full body Hamner model was scaled using the scale setup provided in the simulation package available at <https://simtk.org/home/runningsim>
2. The kinematics available from the same package (file "subject02_running_RRA_Kinematics_q.mot") was used to identify the range of motion for all joints of the left side.
3. The scaled model (target model) and the generic model (reference model) were modified by removing the torso and the right leg.

References

Hamner, S. R., Seth, A. and Delp, S. L., 2010. Muscle contributions to propulsion and support during running. *Journal of Biomechanics* 43, 2709-2716.