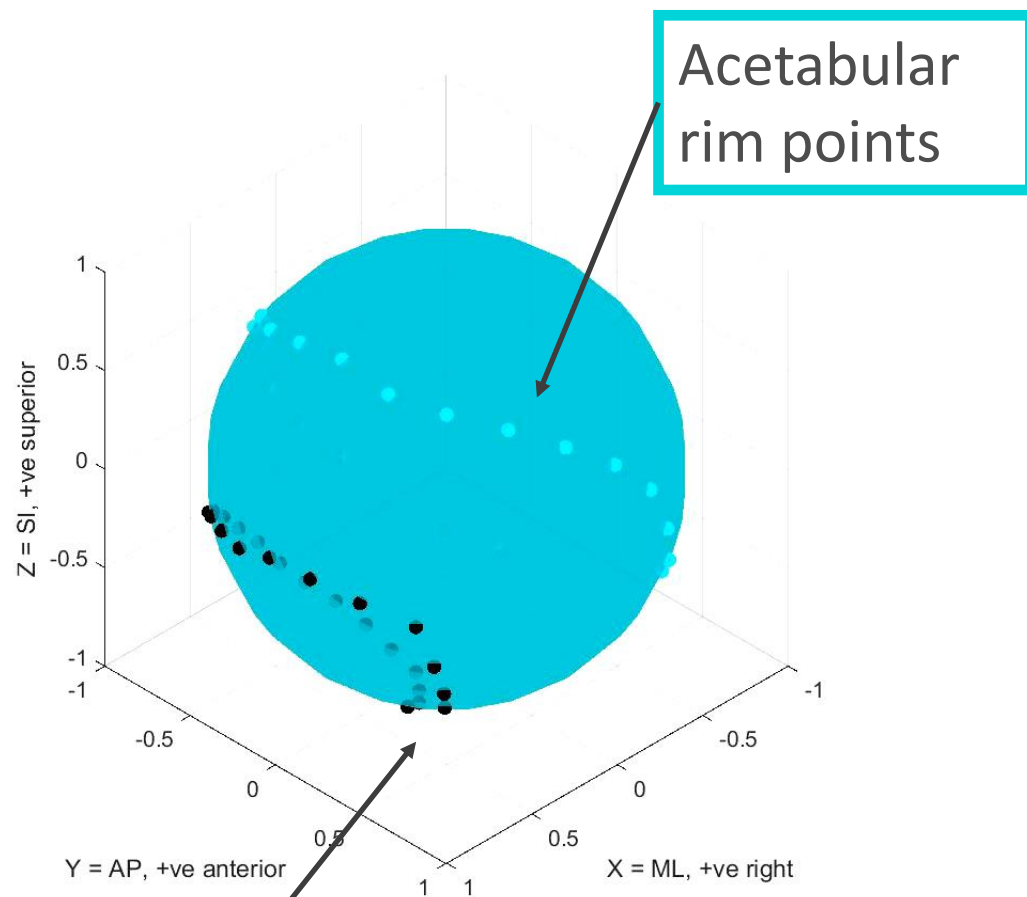


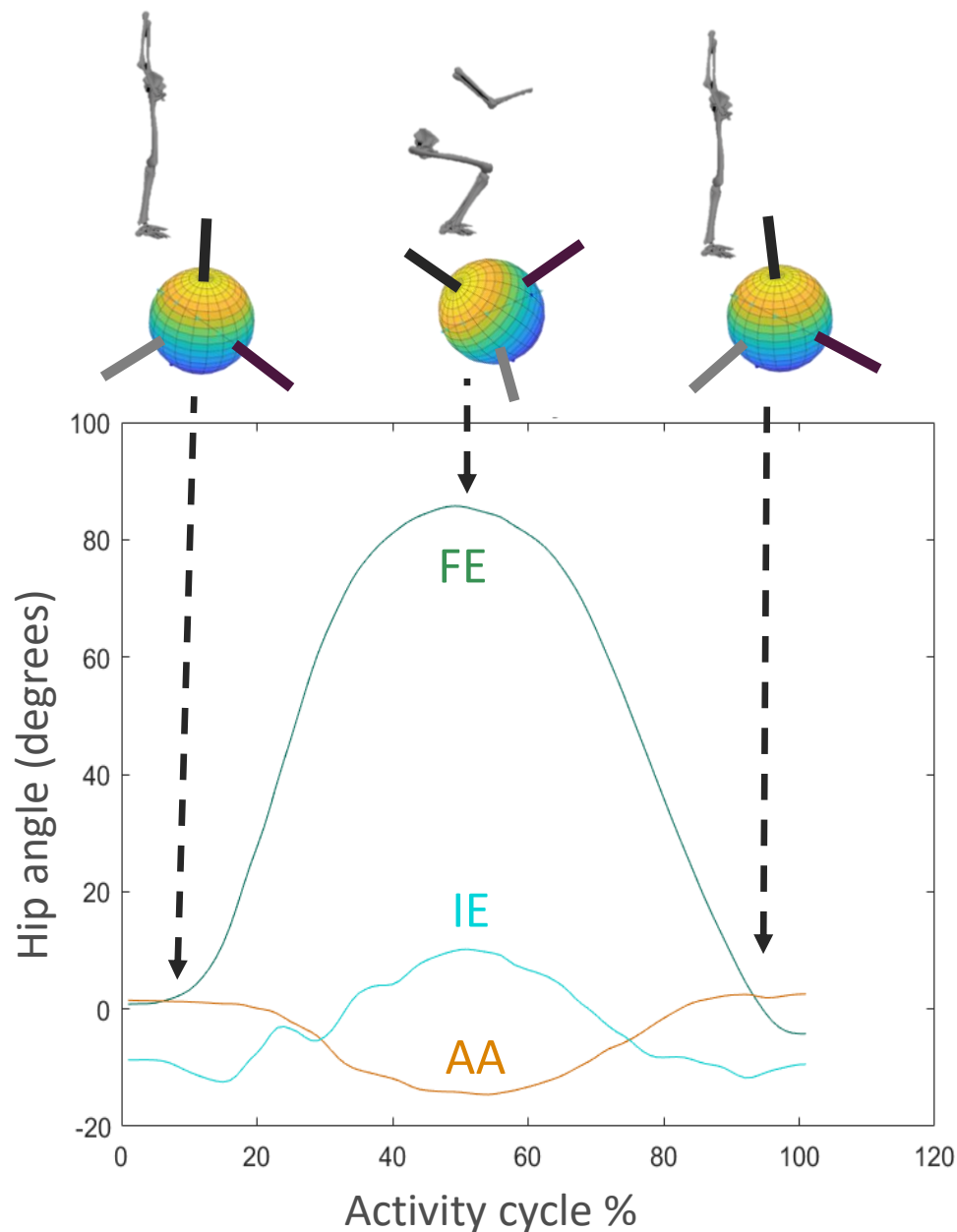
Illustration of the basic function of the shape-motion impingement code



Femoral edge of
spherical surface

Acetabular
rim points

The acetabular rim points and femoral cam-neck edge points are aligned in 3D space according to the joint orientation angles.



The relative joint angles for a motion case (specific activity, subject and trial) are applied to the femoral side points.

These femoral points move relative to the acetabular points.

Any femoral side point passing through the acetabular rim point is identified.

See video of Hip 2 under a squat motion:
 3 - code_demo_hip2_squat.avi

