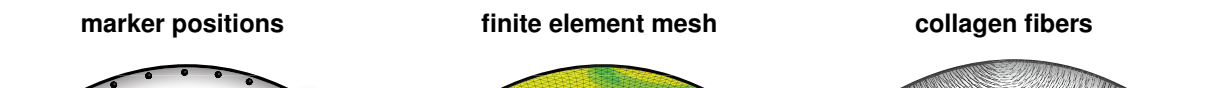
marker positions
finite element mesh
collagen fibers