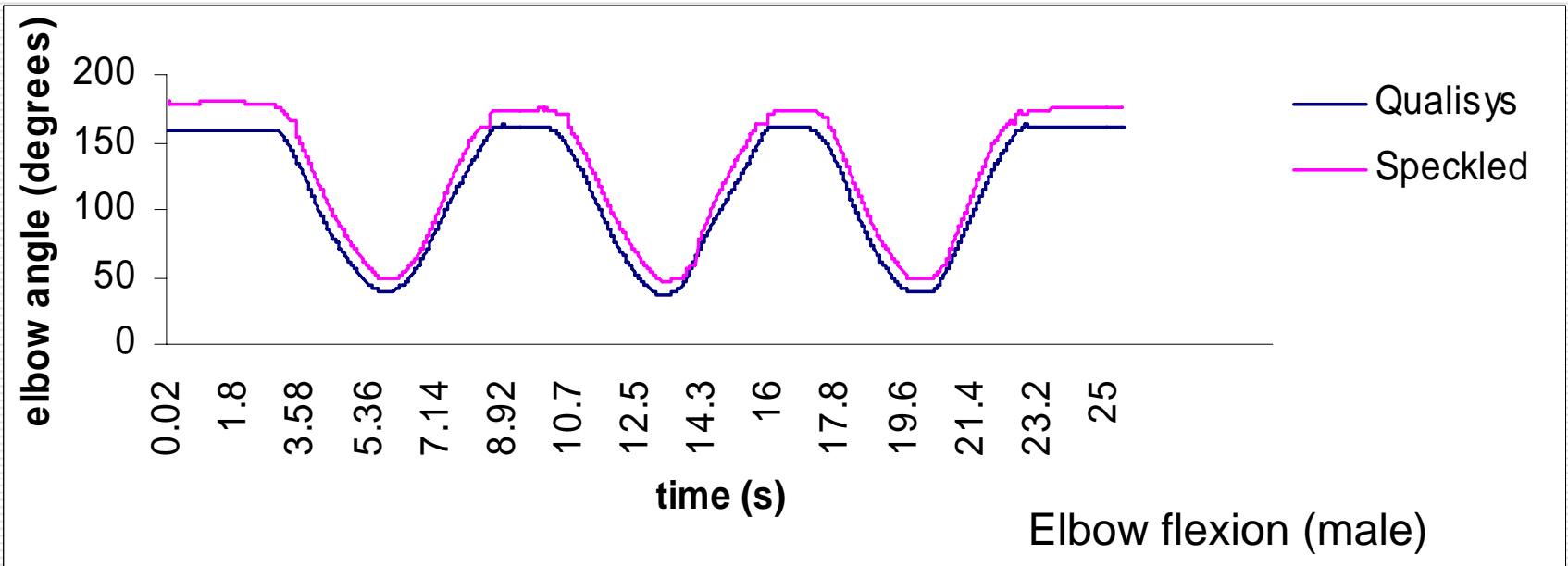
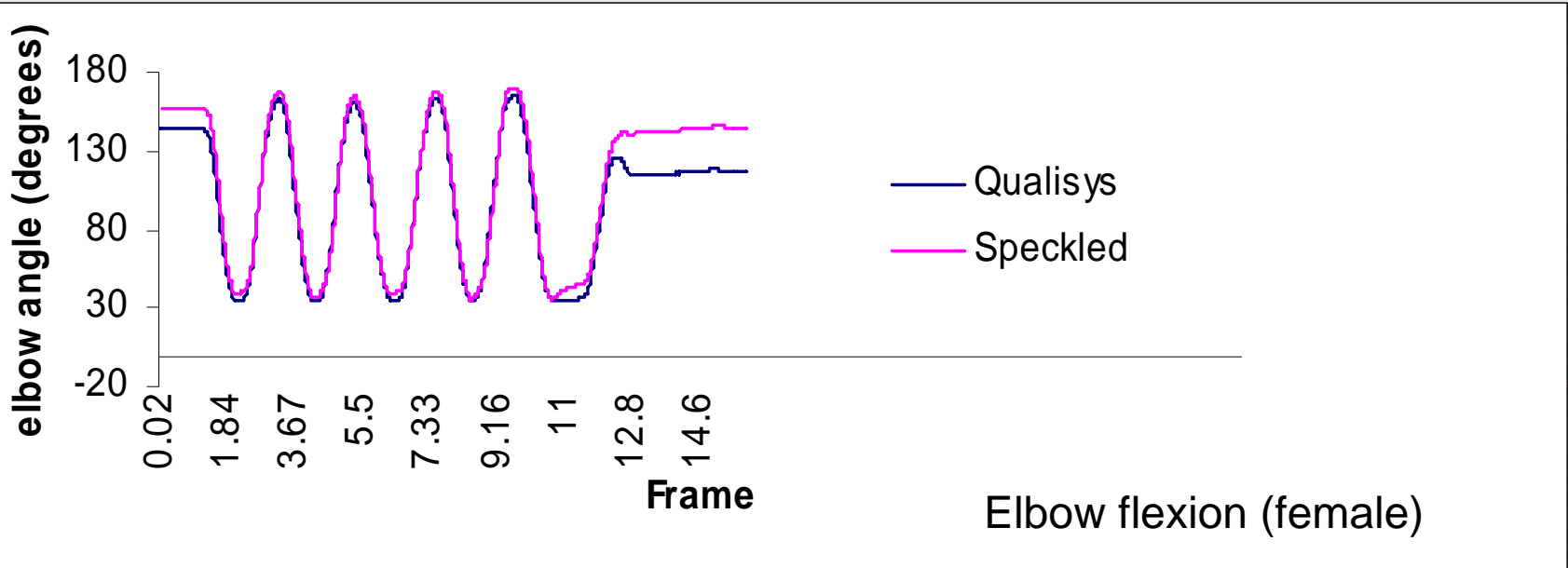
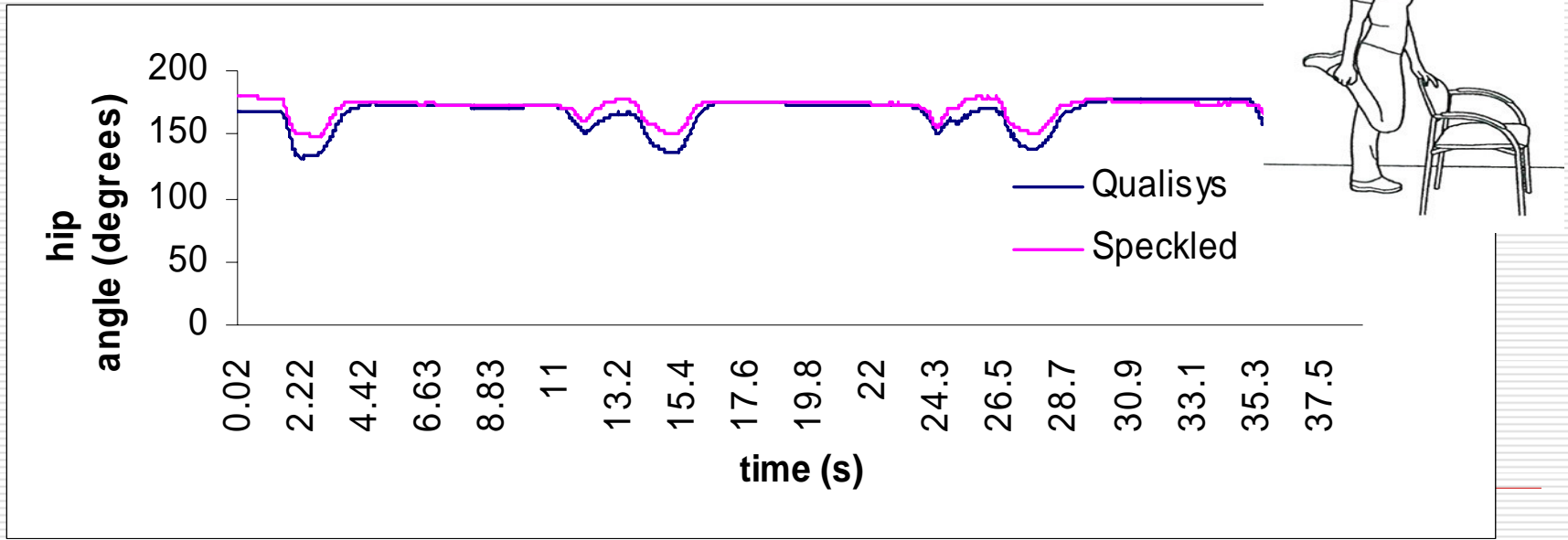
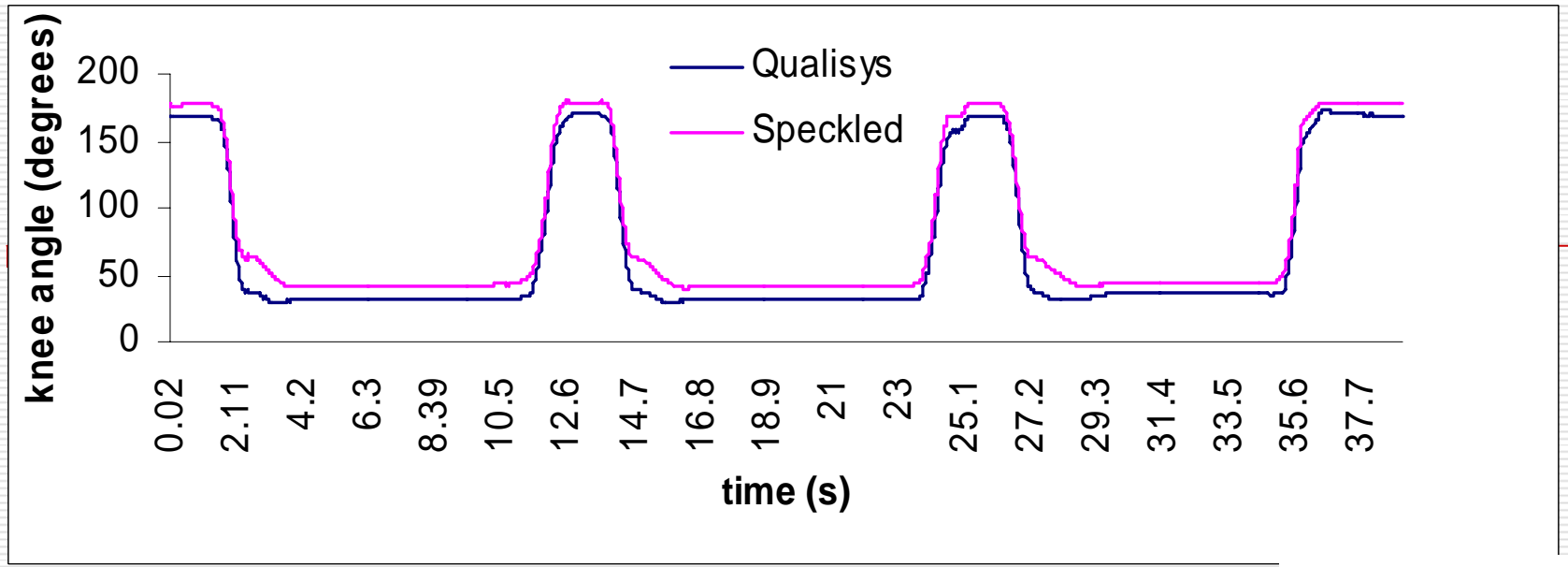


An evaluation of Physiotherapy Exercises using Speckled Technology and Qualisys

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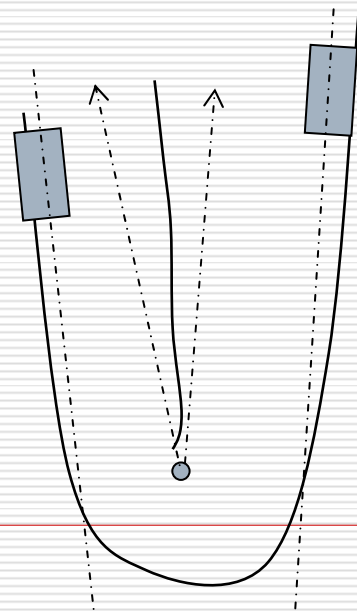
martine.verheul@ed.ac.uk



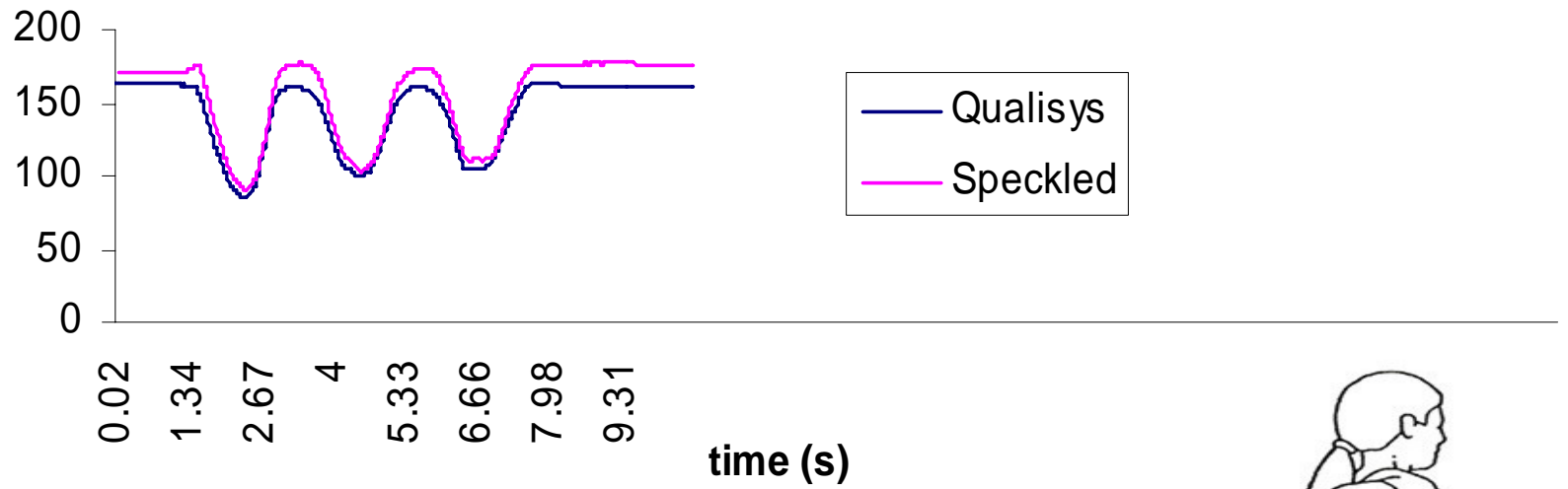


Orient versus Qualisys

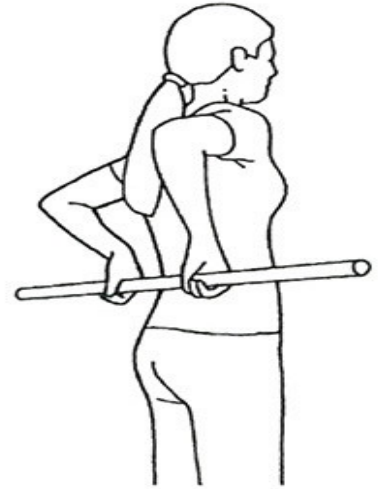
- ❑ Orient devices measure orientation of the limb segments
- ❑ Qualisys joint markers are used to estimate the joint angle



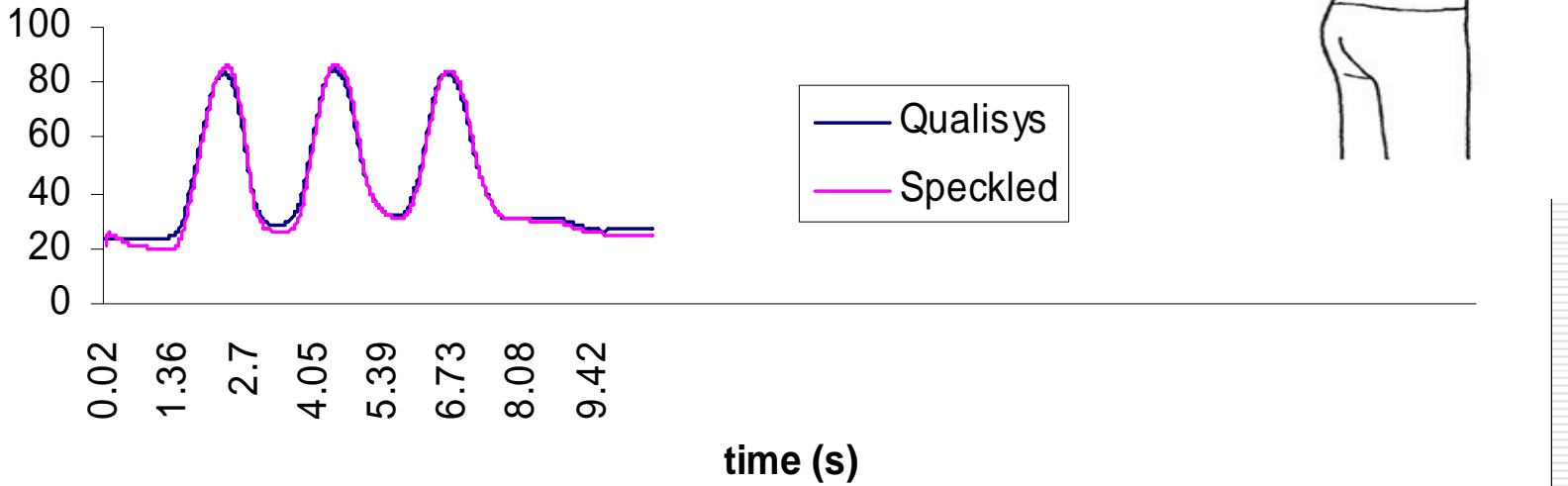
Elbow Angle (Deg)



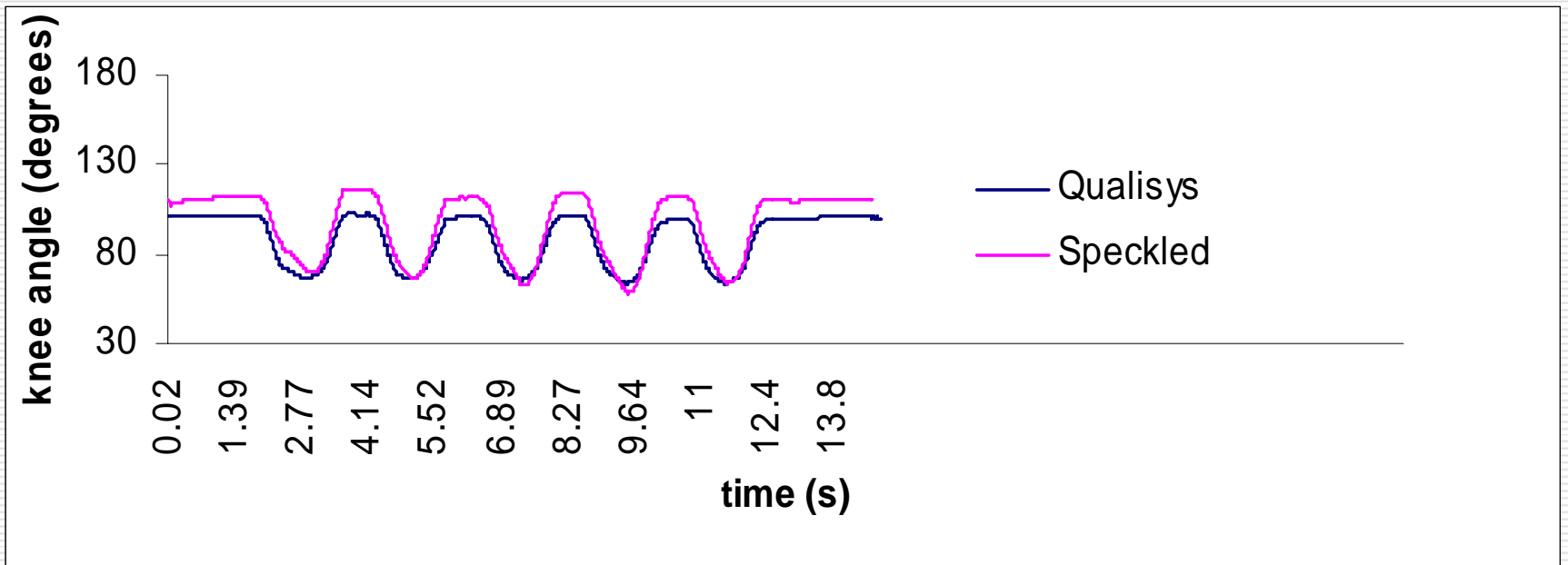
time (s)



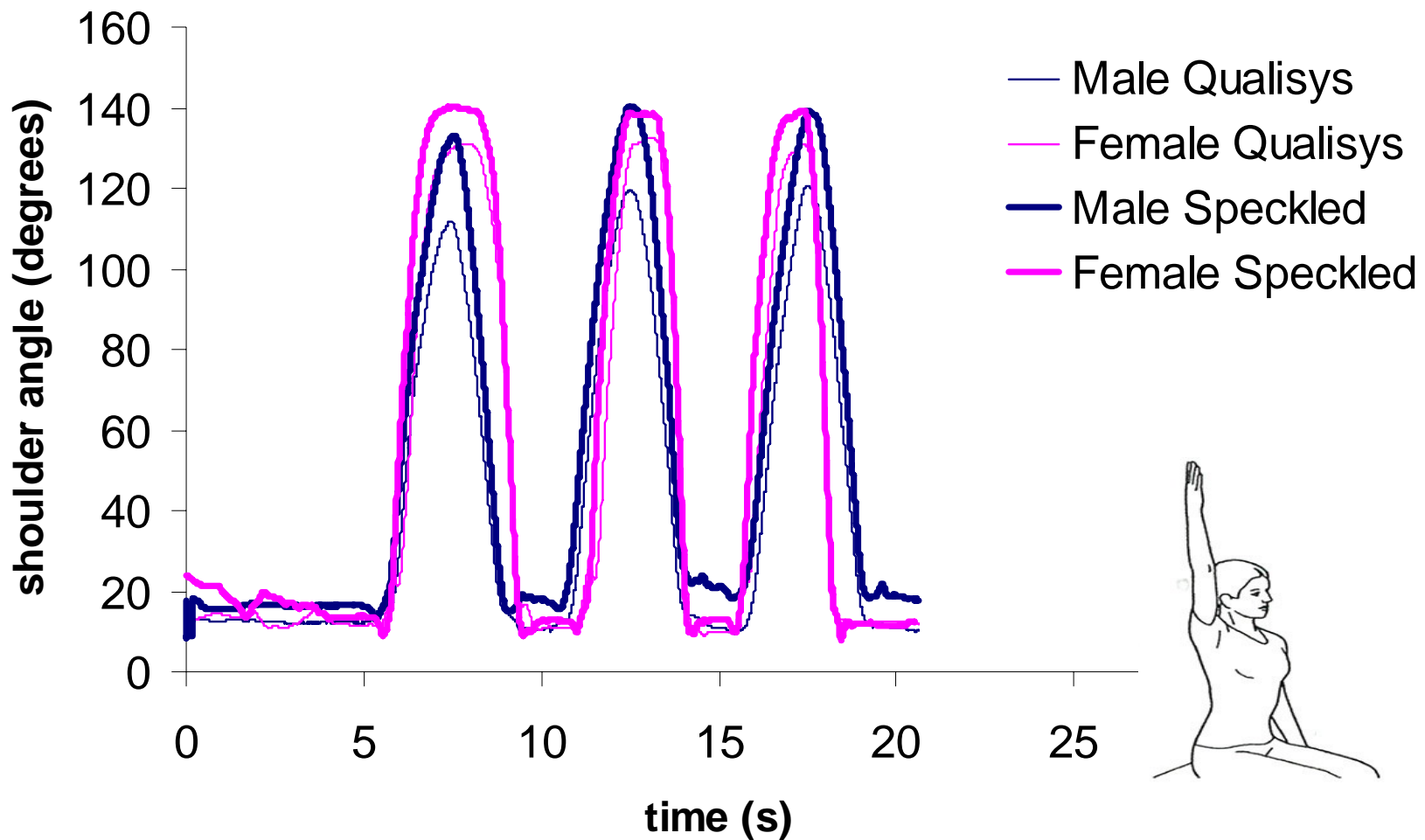
Shoulder Angle (Deg)



time (s)



Lifting the knee up in a seated position (NOT straightening the leg)



Conclusion

- Orient sensors:
 - Accurate 3D motion capture
 - Particularly accurate in terms of timing
-