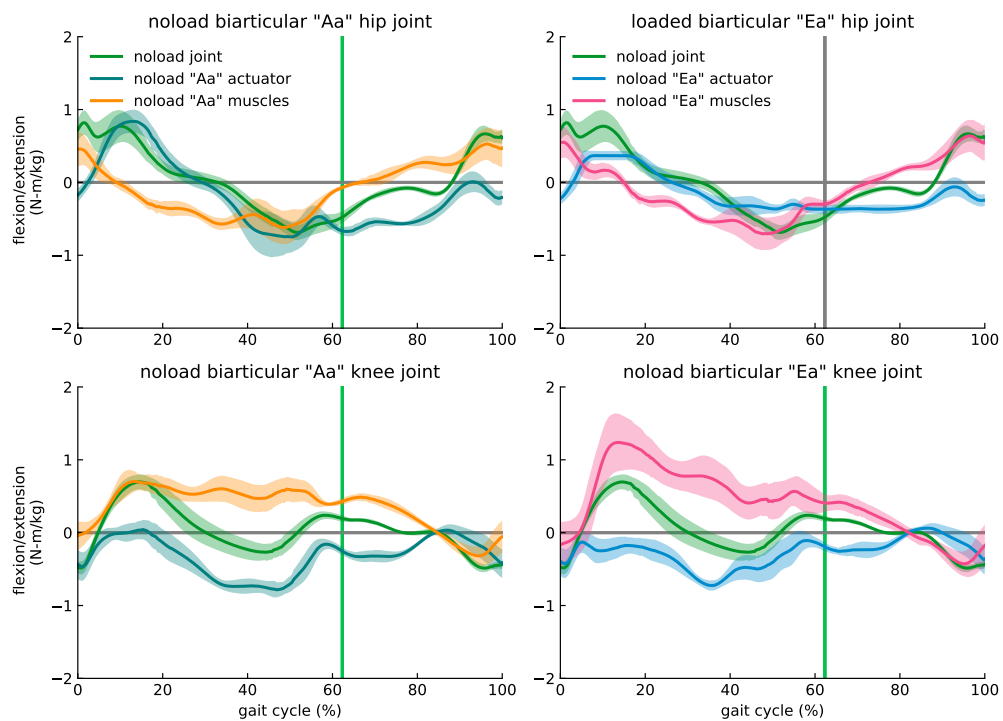
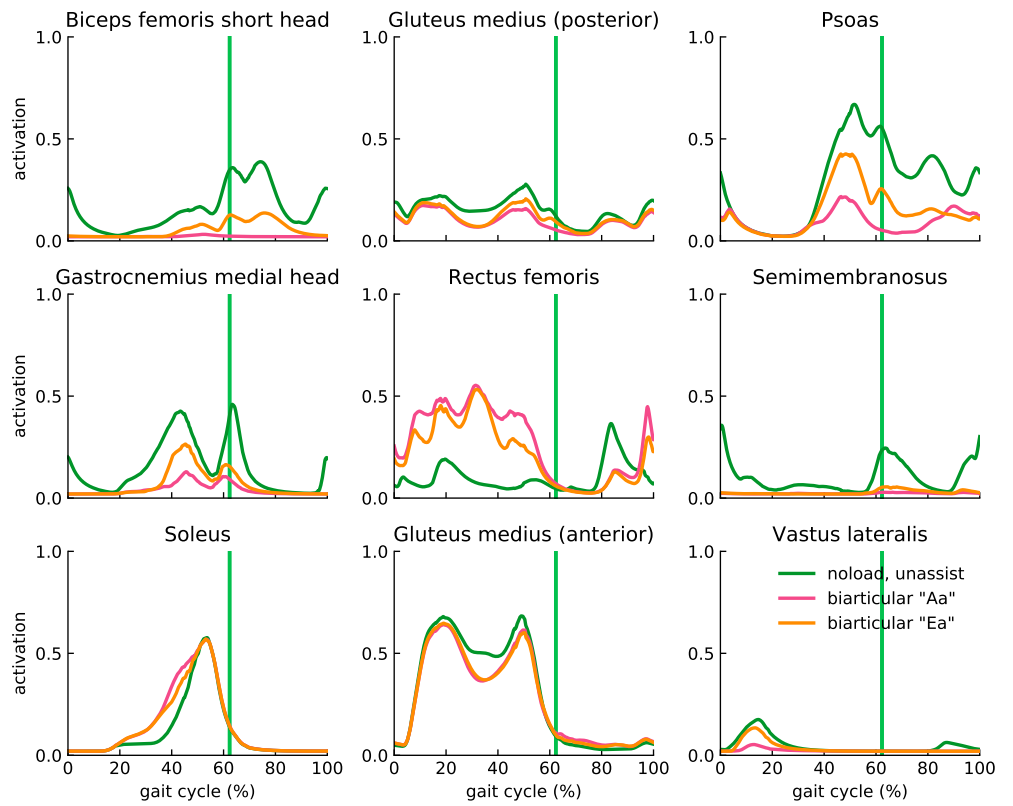


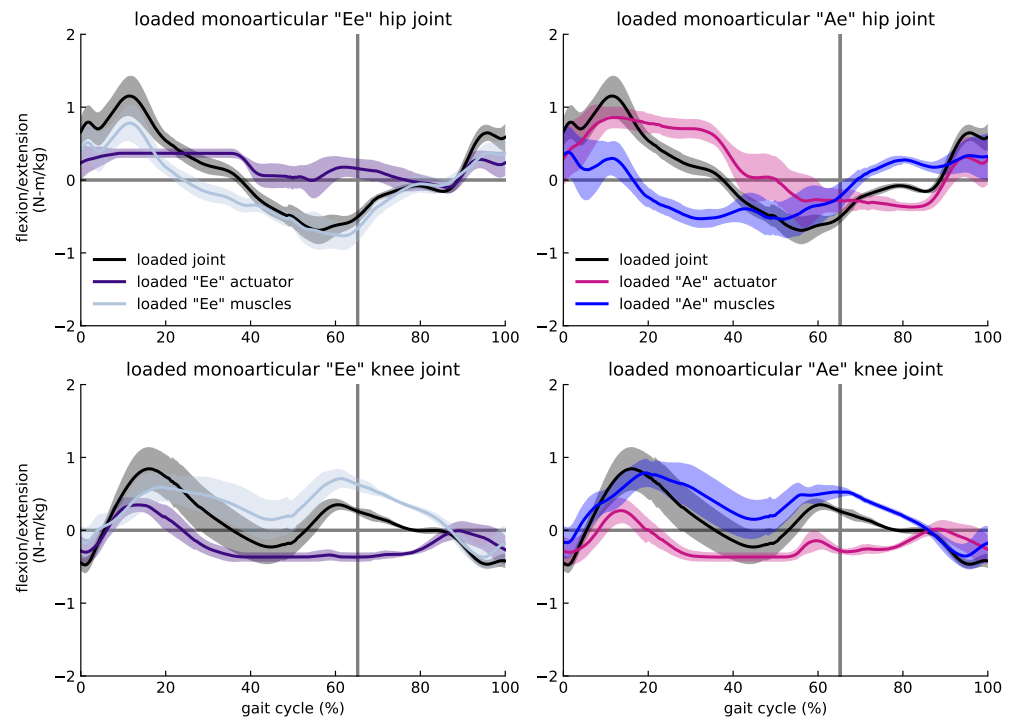
# Supporting Document for Joint Reaction Forces and Moments



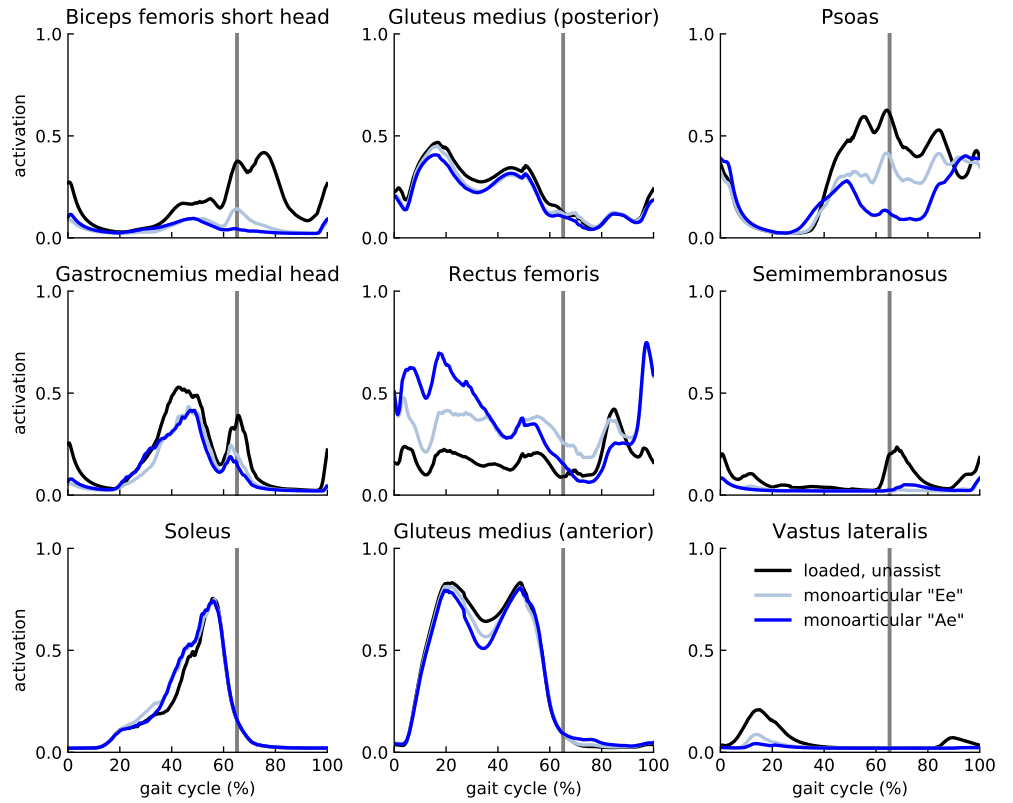
**Fig 1.** Torque profiles of biarticular "Aa" and "Ea" exoskeletons in *noload* condition..



**Fig 2.** Muscle activation of nine representative muscles of subjects assisted by biarticular "Aa" and "Ea" exoskeletons in *loaded* condition.



**Fig 3.** Torque profiles of monoarticular "Ae" and "Ee" exoskeletons in *no-load* condition.



**Fig 4.** Muscle activation of nine representative muscles of subjects assisted by biarticular "Aa" and "Ea" exoskeletons in *loaded* condition.