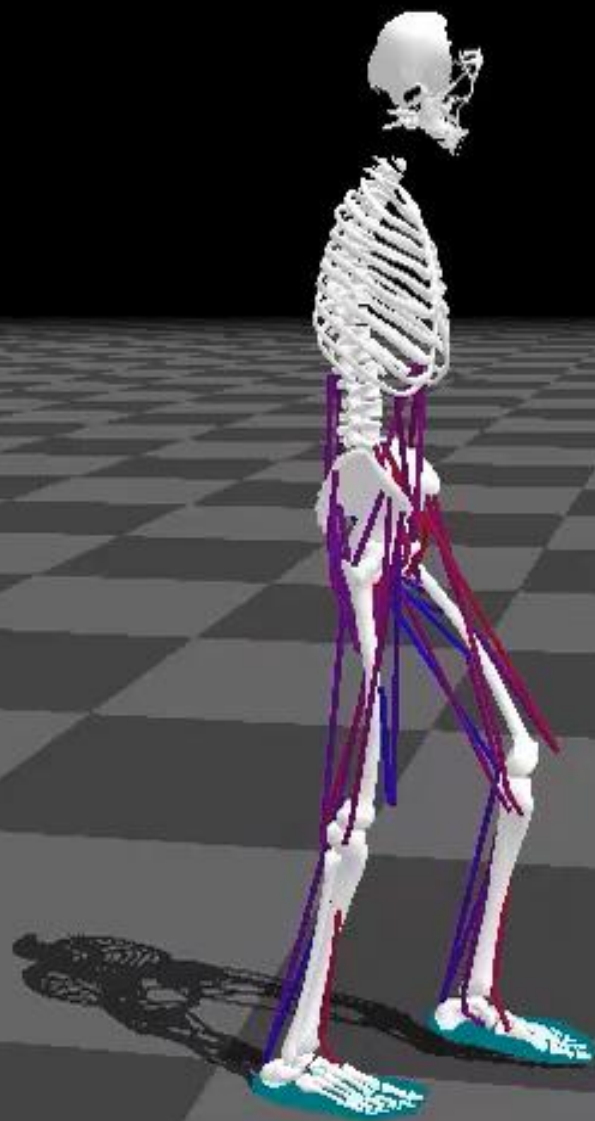


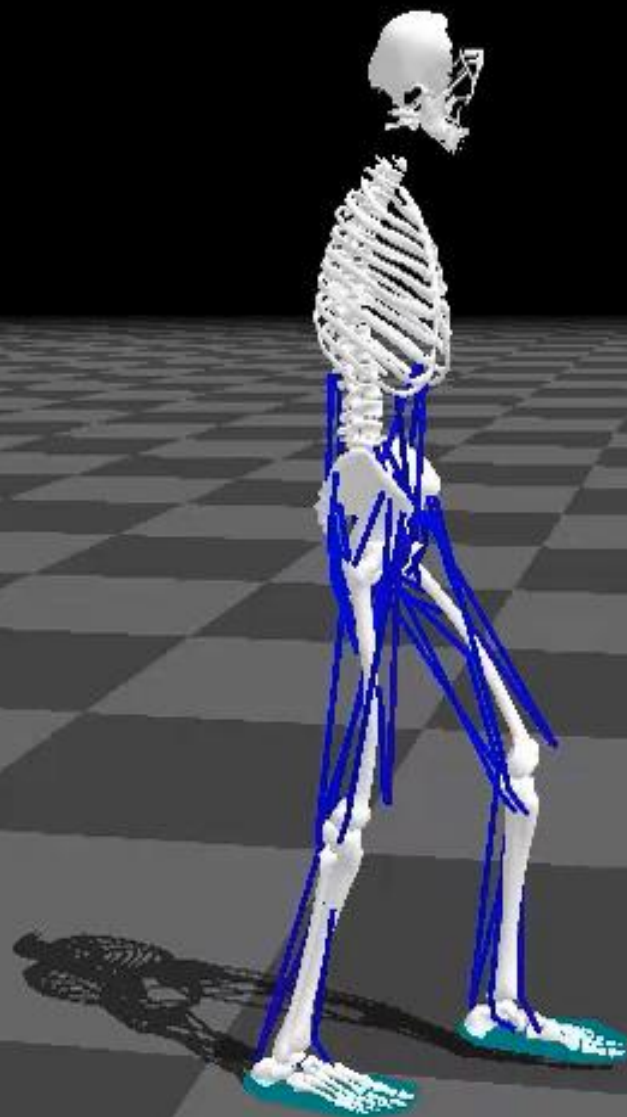
Musculoskeletal Model Control

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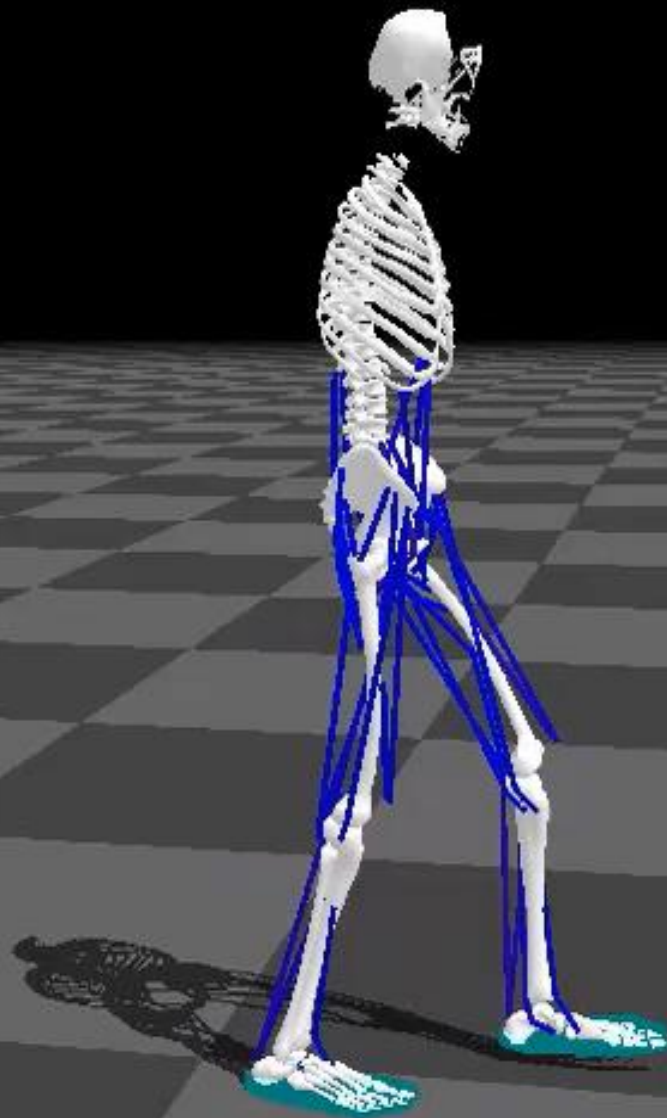
$W_t = 1.0$, $W_a = 0.0$, Activation control



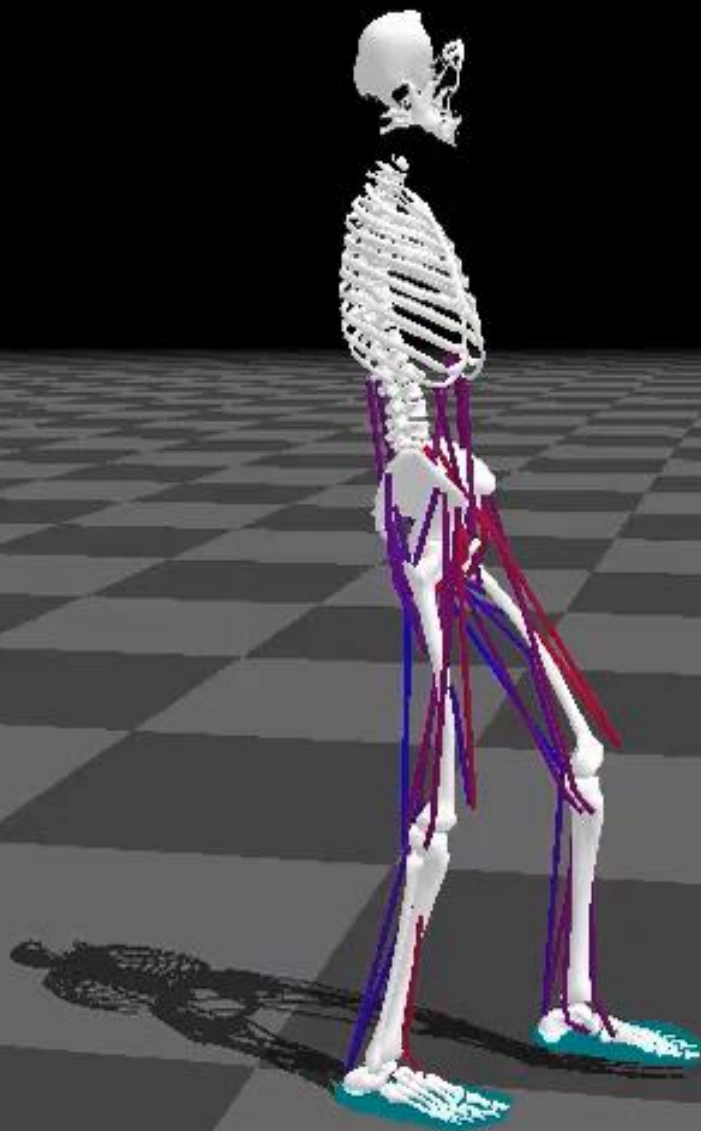
$W_t = 1.0$, $W_a = 0.01$, Activation control



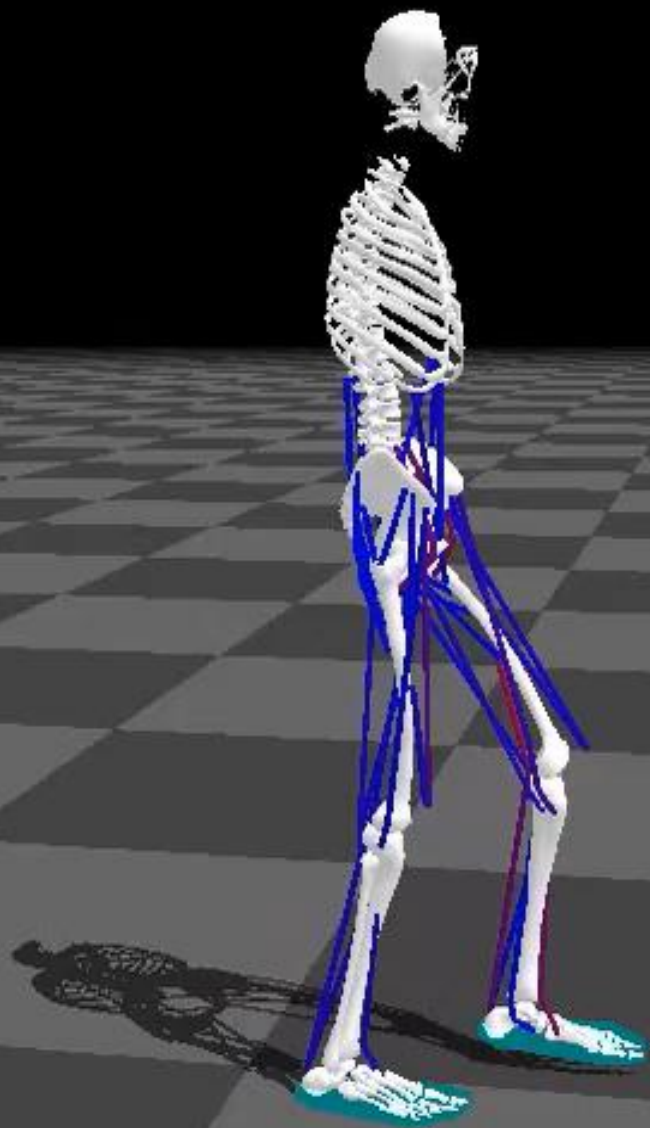
$W_t = 1.0$, $W_a = 1.0$, Activation control



$W_t = 1.0$, $W_a = 0.0$, Excitation control



$W_t = 1.0$, $W_a = 0.01$, Excitation control



New Collaboration

- 한양대학교 권태수 교수님



Control Systems for Human Running using an Inverted Pendulum Model and a Reference Motion Capture Sequence, ACM SIGGRAPH/Eurographics Symposium on Computer Animation 2010.

기대 효과

- Technical contribution의 강화
 - 기존의 Online QP formulation에 muscle model, muscle dynamics를 결합하는 최초의 formulation
- 시뮬레이션의 안정성 추구
- 시뮬레이션 속도 향상
- 변화된 방법론에 기반한 새로운 아이디어의 논의

목표

- Pathologic gait을 만드는 model의 parameter 찾기
- 다시 최대한 정상적인 걸음을 만드는 model parameter의 변화 찾기

Thank you