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A simple extension of Inverted Pendulum template to explain features of slow walking

Tirthabir Biswas , Suhas Rao , Vikas Bhandawat

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Highlights

1. Existing simple models of locomotion cannot model realistic slow walking.
2. We propose a new model – angular spring modulated inverted pendulum (AS-IP) for slow locomotion.
3. We show that this model fits the center of mass trajectory during fruit fly walking.
4. We propose a general model for legged locomotion.

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