

Evolutionary Robotics Final Project

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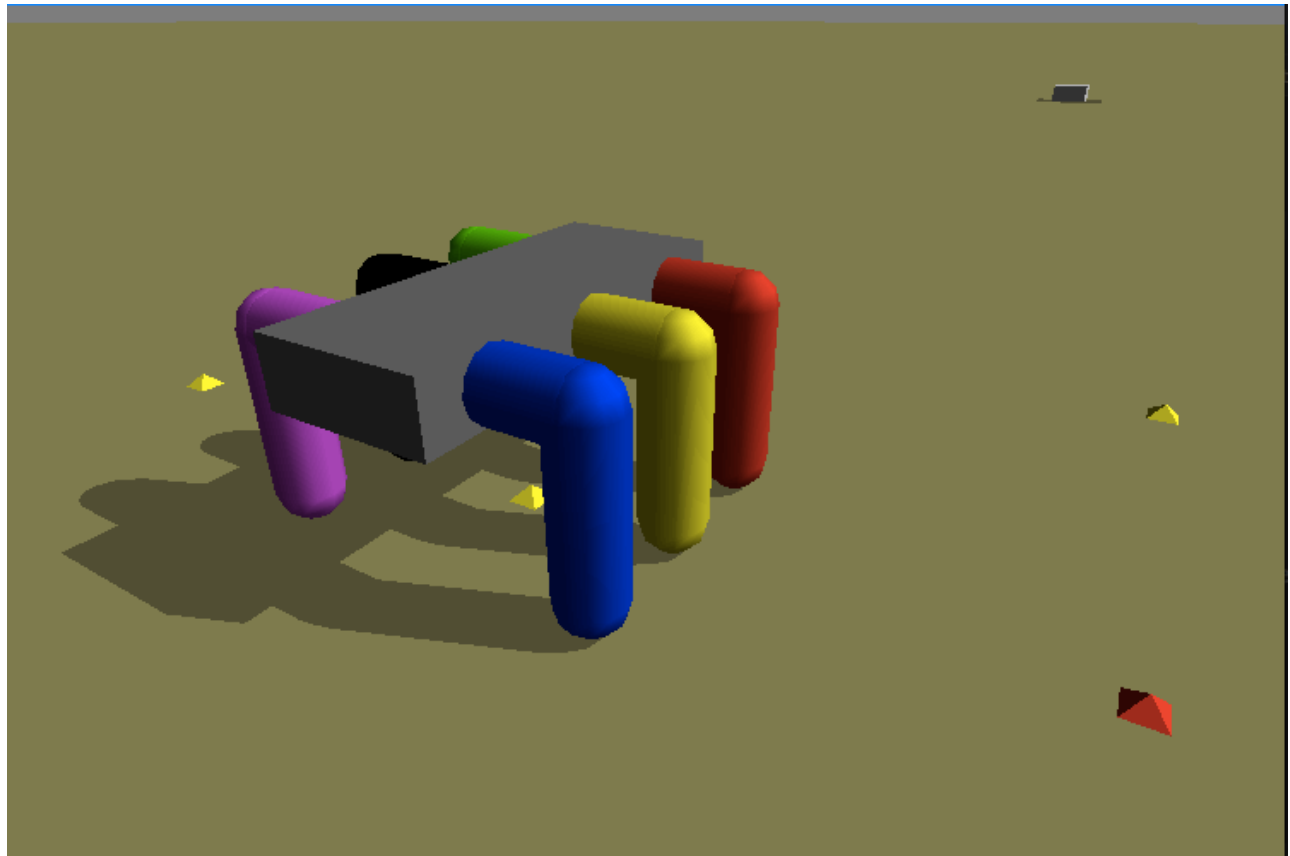
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Does robot joint and limb morphology affect evolutionary response to the same distance based fitness function?

Time Line:

1) Create robots one and two that are single jointed.

This week I created two robots that only have **active** joints upon which evolution will act at the body. The first robot has joints that move along the horizontal plane like a lizard ($n3=-1$) and the second uses joint normals that move about the y axis like oars on a trireme ($n1=-1$). I decided to implement a six legged robot for this experiment and put legs 3 on a side. I also started a github repo for this project to keep an organized, updatable backup of these files.



Video of robot 1:

<https://www.youtube.com/watch?v=sTmgi2HVT2w>

Video of robot 2:

<https://www.youtube.com/watch?v=fpmQ2PLnWYM>

Github Repo:

<https://github.com/alexburn17/EvoRobotics>