

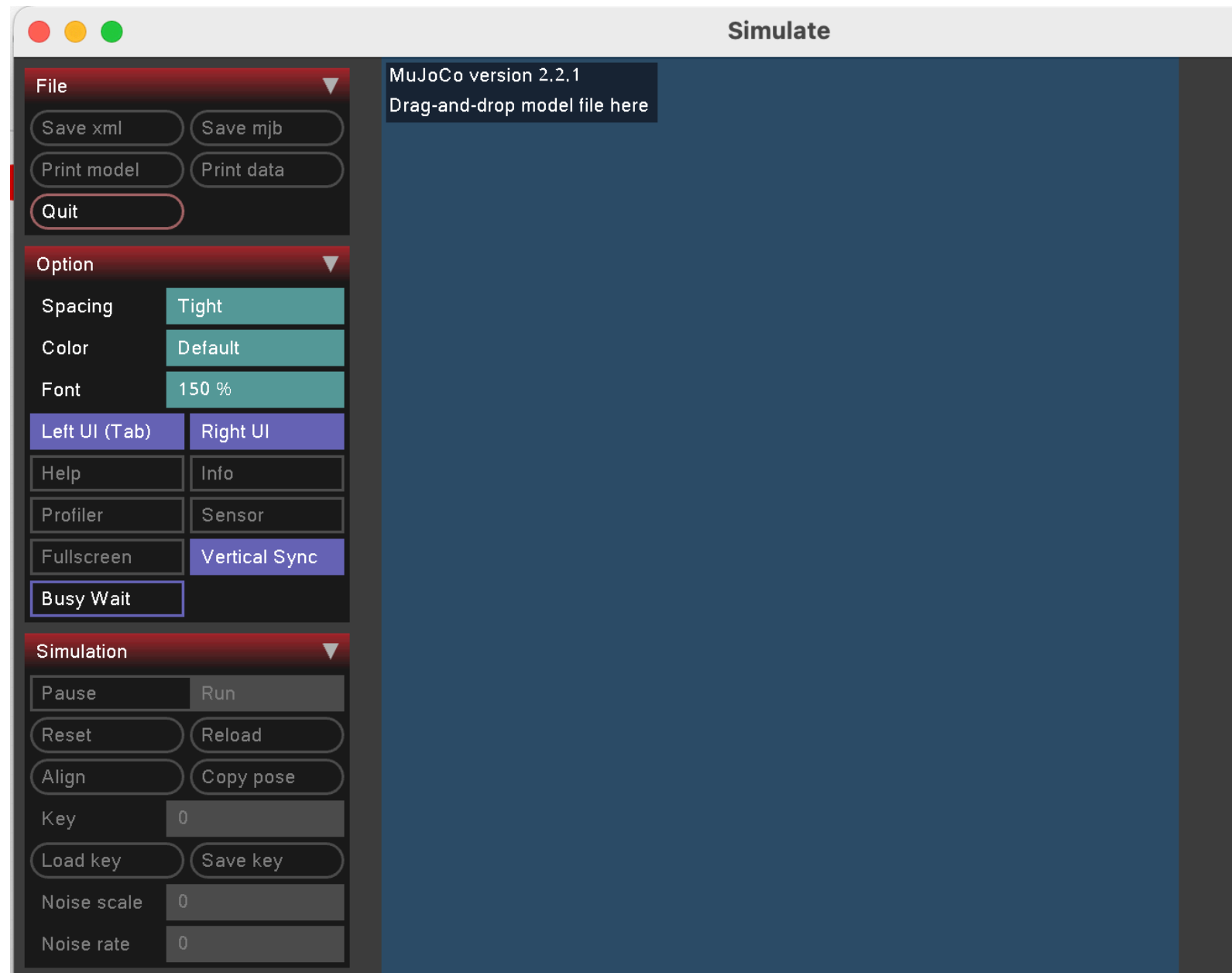
Visualizing MuJoCo model (xml files)

You need a program called simulate (linux/windows) or MuJoCo app to interactively view/edit xml files

- i. Download the relevant files to your operating system: <https://github.com/deepmind/mujoco/releases> (current version 2.2.1)
- ii. You can also watch the videos for Win/Mac/Linux installation, the C version, here: tiny.cc/mujocopy2

Running MuJoCo model visualizer

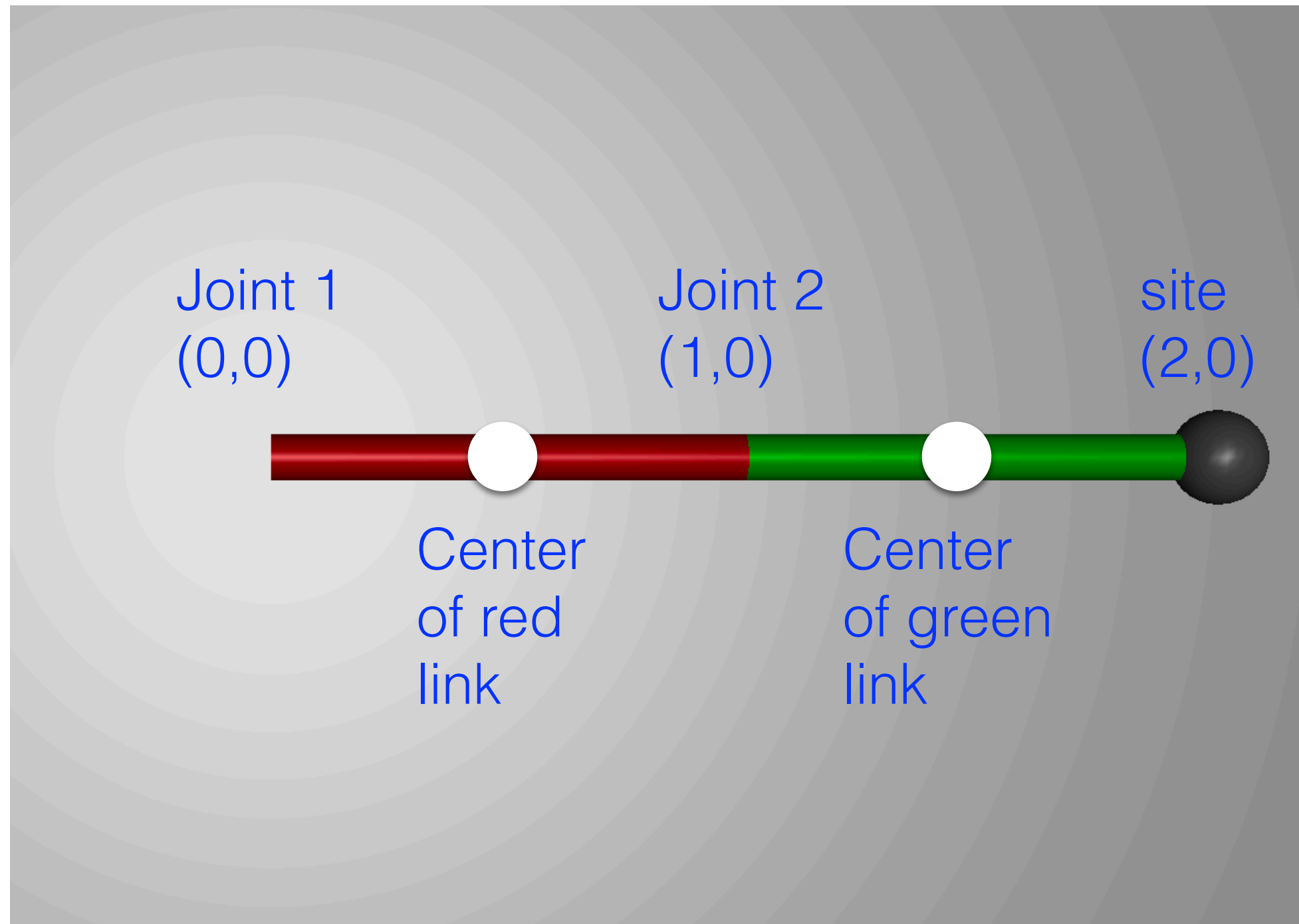
- Mac: Open the MuJoCo app (I show it in this video)
- Win: Navigate to bin folder and double click simulate
- Linux: In terminal, go to bin folder and type `./simulate`



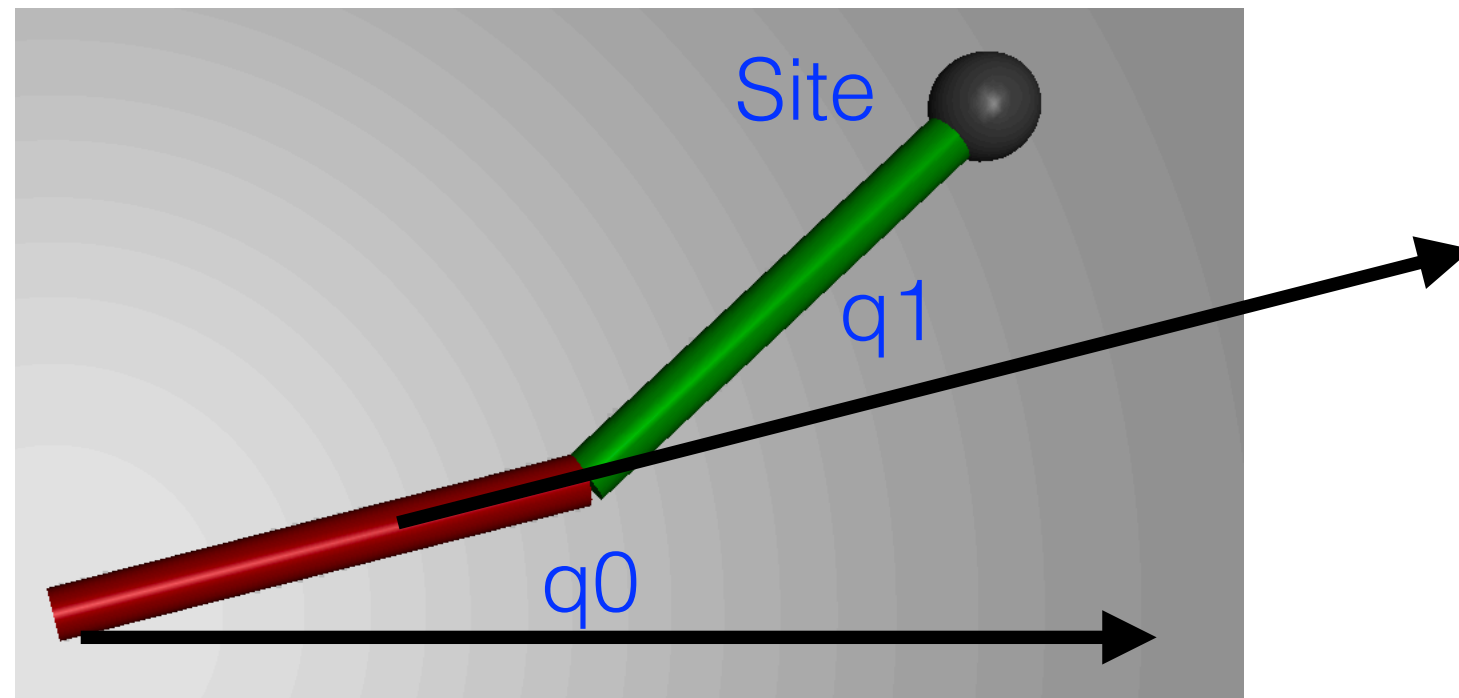
Drag/drop xml files in simulate

- Save the example as hello.xml <https://mujoco.readthedocs.io/en/latest/overview.html?highlight=hello.xml#examples>
- Drag / drop hello.xml on simulate/MuJoCo app to view
- Use the MuJoCo XML documentation to edit .xml files
(bookmark this page): <https://mujoco.readthedocs.io/en/latest/XMLreference.html>

Planar, 2-link manipulator (model)



Planar, 2-link manipulator (kinematics)



```
data.qpos[0] = q0; data.qpos[1] = q1  #set position
```

```
mj_forward(model,data)                #forward kinematics
```

```
data.site_xpos[0]                      #get site position
```