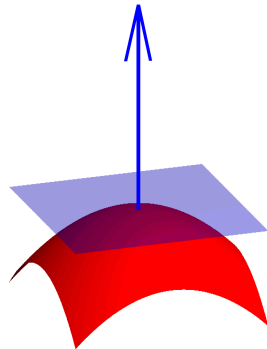
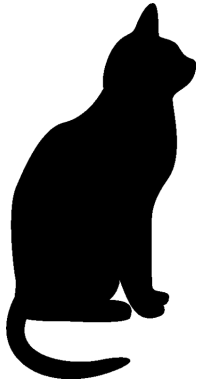


# Scientific Computing in Open Source Software



*Wednesday October 22, 2014 11h00*

**Guest Lecture by Brian Cohn**

**USC Viterbi's Brain Body Dynamics Lab**

[brianaco@usc.edu](mailto:brianaco@usc.edu)

# *A few shortfalls for Matlab*

## **Open Source Scientific Computing**

Python

Interpreted language

Object-oriented design

[Community](#) e.g. Stackoverflow

Libraries

## **Applications:**

1. Jacobians and velocities in tendon driven systems
2. Feasible force spaces for a cat hindlimb

## **Workshop:**

What model properties change a limb's feasible force space?