Exploring Visualization with Jupyter Notebooks

Joseph Insley
Lead, Visualization & Data Analytics
Argonne Leadership Computing Facility

Silvio Rizzi
Assistant Computer Scientist
Argonne Leadership Computing Facility
Two use cases

1. Simple visualization of a simulation of 2D potential flow around an airfoil.

2. In Situ visualization with SENSEI and VisIt LibSim backend
Getting started

1. Copy the notebooks to your home directory
   `cp -r /projects/ATPESC2019/visualization/ATPESC2019-jupyter/ ~`

1. Start a Jupyter session
   1. Point your browser to [https://jupyter.alcf.anl.gov](https://jupyter.alcf.anl.gov)
   2. Select Cooley
   3. Enter username and password (pin+cryptokey)
   5. Launch the notebooks