

# 04\_yt\_Introduction

September 26, 2014

## 1 Welcome to the yt quickstart!

In this brief tutorial, we'll go over how to load up data, analyze things, inspect your data, and make some visualizations.

Our documentation page can provide information on a variety of the commands that are used here, both in narrative documentation as well as recipes for specific functionality in our cookbook. The documentation exists at <http://yt-project.org/doc/>. If you encounter problems, look for help here: <http://yt-project.org/doc/help/index.html>.

### 1.1 Acquiring the datasets for this tutorial

If you are executing these tutorials interactively, you need some sample datasets on which to run the code. You can download these datasets at <http://yt-project.org/data/>. The datasets necessary for each lesson are noted next to the corresponding tutorial.

### 1.2 What's Next?

The Notebooks are meant to be explored in this order:

1. Introduction
2. Data Inspection (IsolatedGalaxy dataset)
3. Simple Visualization (enzo\_tiny\_cosmology & Enzo\_64 datasets)
4. Data Objects and Time Series (IsolatedGalaxy dataset)
5. Derived Fields and Profiles (IsolatedGalaxy dataset)
6. Volume Rendering (IsolatedGalaxy dataset)

The following code will download the data needed for this tutorial automatically using `curl`. It may take some time so please wait when the kernel is busy. You will need to set `download_datasets` to `True` before using it.

```
In []: download_datasets = False
      if download_datasets:
          !curl -sS0 http://yt-project.org/data/enzo_tiny_cosmology.tar
          print "Got enzo_tiny_cosmology"
          !tar xf enzo_tiny_cosmology.tar

          !curl -sS0 http://yt-project.org/data/Enzo_64.tar
          print "Got Enzo_64"
          !tar xf Enzo_64.tar

          !curl -sS0 http://yt-project.org/data/IsolatedGalaxy.tar
          print "Got IsolatedGalaxy"
          !tar xf IsolatedGalaxy.tar
```

```
print "All done!"
```