pyGALAXEV - Installation Guide

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Follow the following steps

1. **Create directory** GALAXEV **and make it your working directory:**

   mkdir GALAXEV

   cd GALAXEV

2. **Download the following files to directory** GALAXEV **using** wget**:**

   wget http://www.bruzual.org/pyGALAXEV/Makefile

   wget http://www.bruzual.org/pyGALAXEV/pygalaxev.tgz

3. **Execute this command:**

   make install

4. **Download from link CB19 to** $GALAXEV/SSPs/ **as many CB19 models as desired, preserving the same directory structure as in the web site.**

5. **Make sure that the following** python **packages are installed in your system:**

   astropy, datetime, dotenv, scipy, termcolor, builtins, ipywidgtes, matplotlib, math, numpy, os, sys, warnings

6. **Setup your** pyGALAXEV **environment by including in your** .zlogin **file these two lines:**

   export GALAXEV="full_path/GALAXEV"

   source $GALAXEV/.galaxevrc.bash

7. **If you open a new terminal window, these two commands must run from any directory:**

   pyGaLAXEVcl.py rf_phot cb2019_z004_chab_hr_xmilesi_ssp.fits stmag -o

   bcfits2txt cb2019_z004_chab_hr_xmilesi_ssp.fits t

   The first command computes a series of magnitudes in STmag units for HST and JWST filters. The second command writes tables with properties corresponding to the indicated fits file.

8. **Use** Anaconda-Navigator **to launch** JupyterLab **and open the interactive** pyGALAXEV Jupyter Notebook:

   $GALAXEV/pyGALAXEV.4.0.ipynb