**Python 3.9.18** ： /home/yujiangwei/anaconda3/envs/pipython/bin/python

**Pydmd**： pydmd-0.4.1.post2308 scipy-1.11.3

**Anaconda**：

active environment : pipython

active env location : /home/yujiangwei/anaconda3/envs/pipython

shell level : 2

user config file : /home/yujiangwei/.condarc

populated config files : /home/yujiangwei/.condarc

conda version : 23.7.4

conda-build version : 3.26.1

python version : 3.11.5.final.0

**pytorch 2.1.0**

lightdm界面：sudo apt-get install lightdm

pip install nose

pip install PyIF

pip install numba

创建用户

sudo useradd -m heaonan（useradd -d /path/new\_user -m new\_user）

sudo passwd heaonan

sudo usermod -s /bin/bash heaonan

创建小组

sudo groupadd seu\_neuro

sudo usermod -aG seu\_neuro yujiangwei

共享文件

sudo chown :mygroup /path/to/shared\_folder

sudo chmod 777 /path/to/shared\_folder

cuda：

wget <https://developer.download.nvidia.com/compute/cuda/12.1.0/local_installers/cuda_12.1.0_530.30.02_linux.run>

sudo sh cuda\_12.1.0\_530.30.02\_linux.run

# 注意要输入accept，等会光标移到Driver项，enter键，取消选择（[ ]中为空，不要安驱动，否则会替换已有的驱动），然后光标移到install，enter键，开始安装

sudo vim /etc/profile

export LD\_LABRARY\_PATH=$LD\_LIBRARY\_PATH:/usr/local/cuda-12.1/lib64

export PATH=$PATH:/usr/local/cuda-12.1/bin

export CUDA\_HOME=$CUDA\_HOME:/usr/local/cuda-12.1

source /etc/profile激活环境变量

nvcc -V验证版本（必须先激活环境变量）

<https://developer.nvidia.com/cuda-toolkit-archive>

<https://developer.nvidia.com/rdp/cudnn-archive>

[Download cuDNN v8.9.4 (August 8th, 2023), for CUDA 12.x](https://developer.nvidia.com/rdp/cudnn-archive#a-collapse894-120)

[Local Installer for Ubuntu22.04 x86\_64 (Deb)](https://developer.nvidia.com/downloads/compute/cudnn/secure/8.9.4/local_installers/12.x/cudnn-local-repo-ubuntu2204-8.9.4.25_1.0-1_amd64.deb/)

<https://docs.nvidia.com/deeplearning/cudnn/install-guide/index.html#installcuda>

import torch

print(torch.backends.cudnn.version())

解决NVIDIA-SMI has failed because it couldn‘t communicate with the NVIDIA driver：

<https://blog.csdn.net/lansebingxuan/article/details/131849372>

服务器crash：

last -F |grep crash

sudo cat /var/log/syslog | grep 'crash'

安装X11：

<https://zhuanlan.zhihu.com/p/647850471>

matlab安装：

1. 使用MobaXterm 进行可视化
2. 上传iso文件
3. 将iso文件挂载到某个文件夹（如果服务器不支持mount：

sudo apt-get install p7zip-full p7zip-rar

7z x R2018a\_glnxa64\_dvd1.iso //网盘下载的docker文件，要先cd到下载目录下

<https://blog.csdn.net/qq_45708644/article/details/130791497>）

sudo mount -o loop /home/mnt\_data/Matlab99R2020b\_Lin64.iso /home/yujiangwei/mnt\_matlab/

1. Cd 到该文件夹并./install
2. 输入破解密钥并进行安装（license.lic）（09806-07443-53955-64350-21751-41297）
3. 将libmwlmgrimpl.so文件覆盖到<matlabfolder>\bin\glnxa64\matlab\_startup\_plugins\lmgrimpl
4. <https://blog.csdn.net/m0_51965536/article/details/127716987>

screen创建窗口

exit退出

ctrl+a +d 脱离窗口

screen -S name -X quit 删除窗口

screen -r 返回窗口

screen -S name 创建窗口名

/home/yujiangwei/matlab//bin/matlab -nodesktop -nodisplay

run /home/yujiangwei/Loop\_for\_Theta\_NI\_model.m

quit 退出matlab

ctrl+C 强制停止正在运行的命令（无命令行）

服务器挂载新硬盘：

[https://blog.csdn.net/qq\_37054954/article/details/136219282?ops\_request\_misc=%257B%2522request%255Fid%2522%253A%2522171205660816800182158565%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request\_id=171205660816800182158565&biz\_id=0&utm\_medium=distribute.pc\_search\_result.none-task-blog-2~all~baidu\_landing\_v2~default-4-136219282-null-null.142^v100^pc\_search\_result\_base3&utm\_term=linux%E6%9C%8D%E5%8A%A1%E5%99%A8%E6%8C%82%E8%BD%BD%E7%A1%AC%E7%9B%98&spm=1018.2226.3001.4187](https://blog.csdn.net/qq_37054954/article/details/136219282?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171205660816800182158565%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171205660816800182158565&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~baidu_landing_v2~default-4-136219282-null-null.142%5ev100%5epc_search_result_base3&utm_term=linux%E6%9C%8D%E5%8A%A1%E5%99%A8%E6%8C%82%E8%BD%BD%E7%A1%AC%E7%9B%98&spm=1018.2226.3001.4187)

lsblk

sudo mount /dev/sda1 /home/mnt\_data

vi /etc/fstab

检查process 状态：

Cd /proc/pid

Cat status

dpkg 被中断,您必须手工运行 sudo dpkg –configure -a解决此问题

sudo rm /var/lib/dpkg/updates/\*

sudo apt-get update

sudo apt-get upgrade

查看cpu温度

sudo apt install cpufrequtils

<https://blog.csdn.net/qq_45779334/article/details/135777375>

sensors

设置cpu最大频率：for i in {0..31}; do sudo cpufreq-set --cpu ${i} --max 4.0GHz; done

查看系统日志sudo cat /var/log/syslog.1 | grep 'shut'

添加sudo权限：

vim /etc/sudoers