

Geant4

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准备工作

- 登陆 LZ farm
- 打开 vi ~/.bashrc
- 添加：`alias prefix='/cvmfs/sft.cern.ch/lcg/contrib/gentoo/linux/x86_64/startprefix'`
- 保存文件并退出
- 重新登陆LZ farm，输入 prefix

准备工作2

- 完成后的bashrc文件:

```
# .bashrc

# Source global definitions
if [ -f /etc/bashrc ]; then
    . /etc/bashrc
fi

# Uncomment the following line if you don't like systemctl's auto-paging feature:
# export SYSTEMD_PAGER=
alias prefix='/cvmfs/sft.cern.ch/lcg/contrib/gentoo/linux/x86_64/startprefix'
█
# User specific aliases and functions
~
~
```

拷贝examples例子

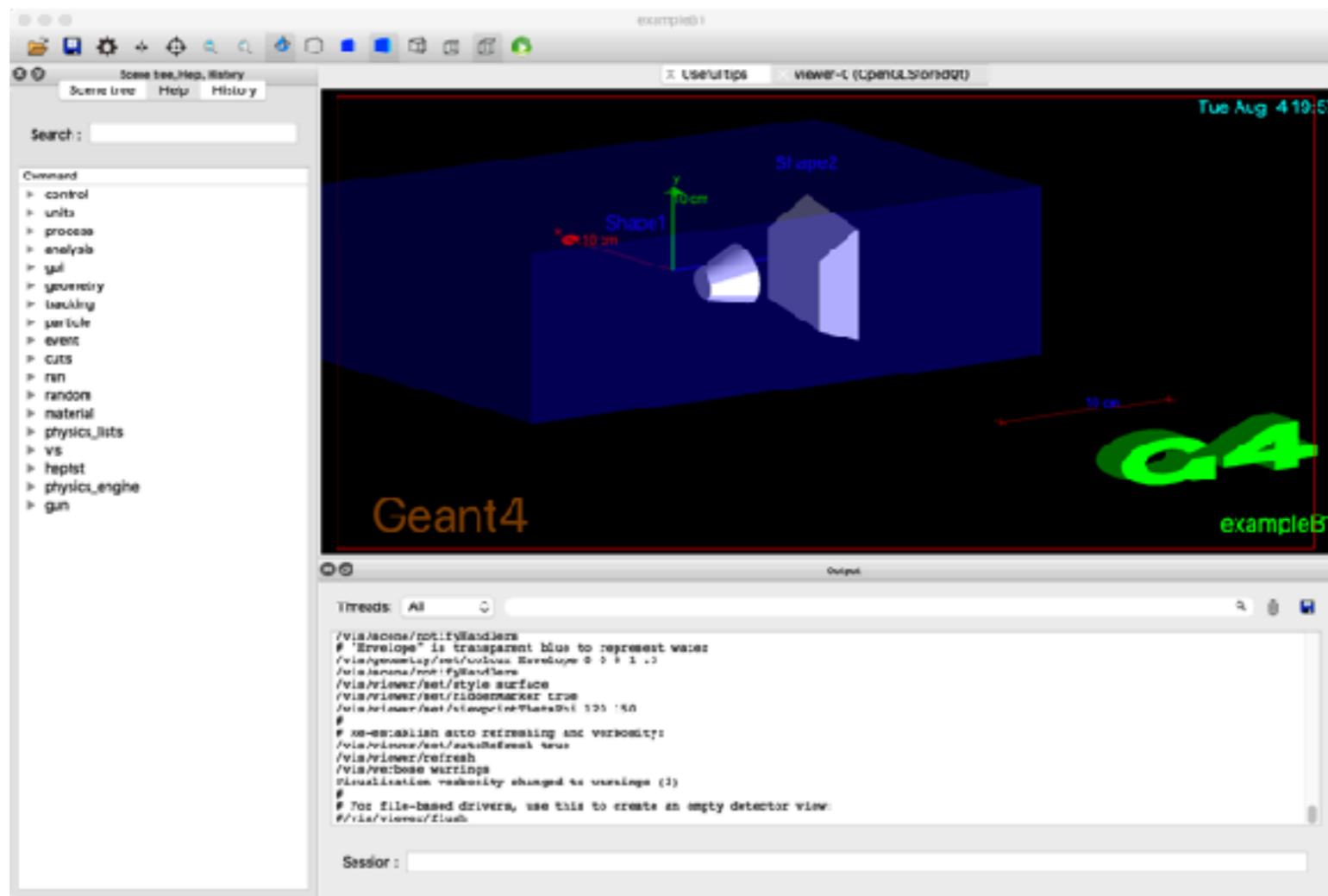
- `cd /cvmfs/sft.cern.ch/lcg/contrib/gentoo/linux/x86_64/usr/share/geant4/examples`
- `cp basic/ ~/ -r`
- `cd ~/basic/B1`
- `mkdir build`
- `cd build`
- `cmake ../`
- `make`

Examples例子

- G4 examples包含basic, extended, advanced三个不同类型的例子
- 每个粒子里都有Readme, 仔细阅读这个文件

Run the example

- B1编译完成后: `./exampleB1` 启动GUI界面



- B1编译完成后: `./exampleB1 run1.mac` 启动批处理模式

练习

- 阅读批量处理运行后的输出信息，理解其含义
- 阅读B2～B5例子的Readme
- 编译并运行B2～B5的例子并运行，结合Readme，理解这个例子