Installation of Gascoigne 3d

First of all, GASCOIGNE needs some preinstalled Linux packages. Be sure that the following packages are installed on your Linux system. On Ubuntu Linux, for example, the packages are called

- `libsuitesparse-dev`,
- `libmetis-dev`,
- `paraview`,
- `libgcc-4.9-dev`,
- `cmake`.

To install the finite element library GASCOIGNE, open up a terminal and enter the following commands in order to obtain and unpack GASCOIGNE:

```
$ wget http://ganymed.iwr.uni-heidelberg.de/~sfrei3/lima2015/gascoigne.tar.gz
$ tar -xvf gascoigne.tar.gz
```

This will download and unpack the source code. Next, it is necessary to setup a configuration file. Just copy the example configuration provided by GASCOIGNE:

```
$ cp Gascoigne/gascoignerc_example ~/.gascoignerc
```

The ~ stands for your home directory. Now, create a build directory, configure and compile the library:

```
$ mkdir Gascoigne/obj
$ cd Gascoigne/obj
$ cmake ..
$ make -j2
```