



Enabling Grids for
E-science in Europe

www.eu-egee.org

GENIUS/GILDA Tutorial, Catania, 24-25.05.2004

Job Services with Genius Portal

Giuseppe La Rocca
EGEE NA4 Generic Applications



EGEE is a project funded by the European Union under contract IST-2003-508833

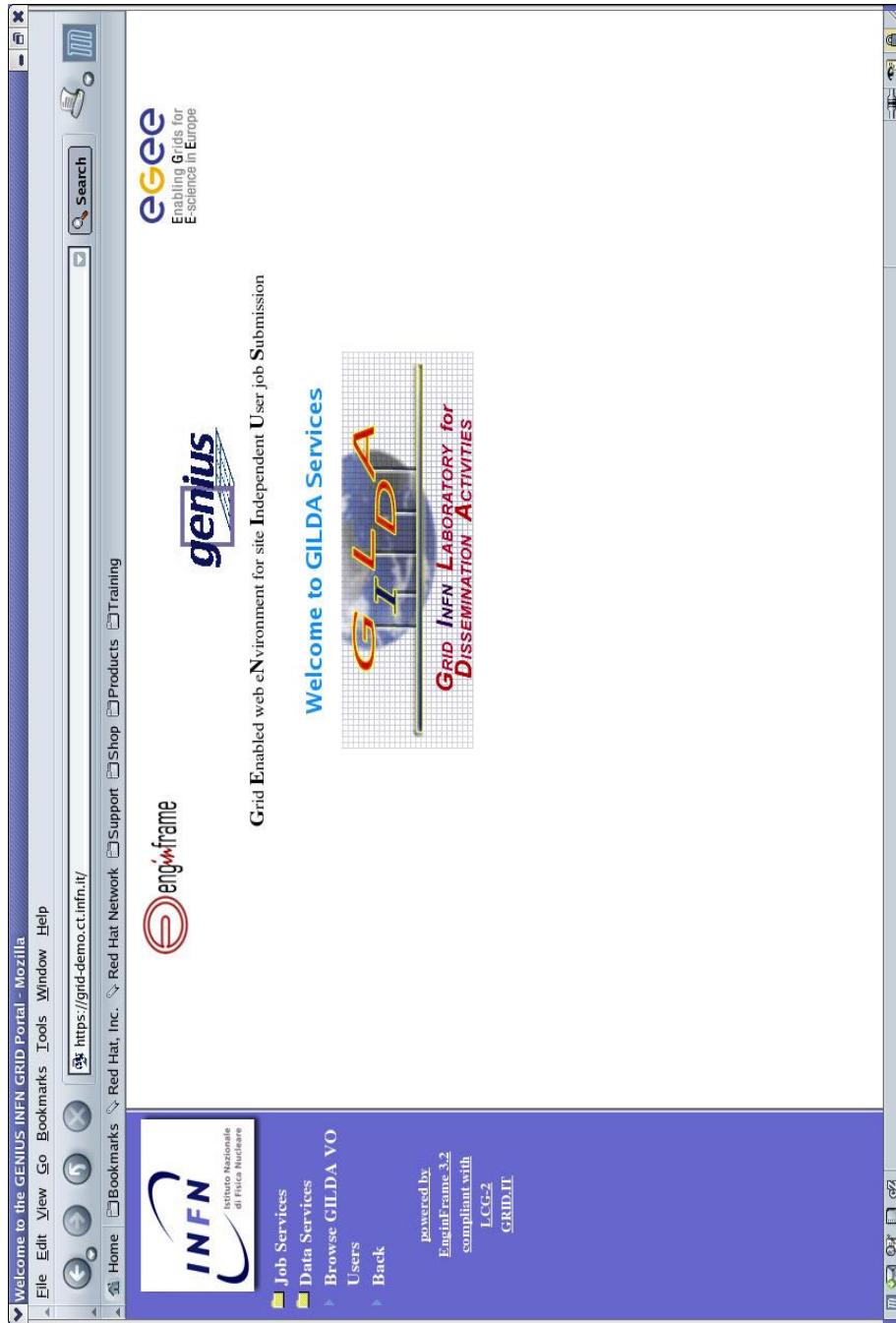
Contents

- Job Submission through GENIUS Portal
- Example and exercise



Genius Portal

<https://grid-demo.ct.infn.it>



Job Submission (1/4)

Welcome to the GENIUS GRID Portal - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Shop Products Training

EnginFrame

genius

Grid Enabled web eNvironment for site Independent User job Submission

RB:gilda VO:gilda RLS:GILDA Your Data Logout

Please, select a Group Type to submit.

Group Type 01. Sound Creation. Next

Job Services up Job Submission Job Queue Job Data Clean Job Queue

powered by
EnginFrame 3.2
compliant with
LCG2
GRILL

The screenshot shows a Mozilla Firefox browser window with the title "Welcome to the GENIUS GRID Portal - Mozilla". The address bar contains "https://grid-demo.ct.infn.it/". The menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, and Help. Below the menu is a toolbar with icons for Back, Forward, Stop, Home, Bookmarks, Red Hat Network, Support, Shop, Products, and Training. On the left, there's a sidebar with links for "EnginFrame" and "genius". The main content area has a header "Grid Enabled web eNvironment for site Independent User job Submission" with tabs for "RB:gilda", "VO:gilda", "RLS:GILDA", "Your Data", and "Logout". A message "Please, select a Group Type to submit." is displayed above a dropdown menu set to "Group Type 01. Sound Creation.". Below the dropdown is a "Next" button. At the bottom of the page, there's a footer with "Job Services" and "up" buttons, and a "Job Submission" section with "Job Queue", "Job Data", and "Clean Job Queue" buttons. The footer also includes a "powered by" section mentioning "EnginFrame 3.2" and "compliant with LCG2 GRILL".

Job Submission (2/4)

Welcome to the GENIUS INFN GRID Portal - Mozilla Firefox

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Shop Products Training

Search

Grid Enabled web eNvironment for site Independent User job Submission

Logout

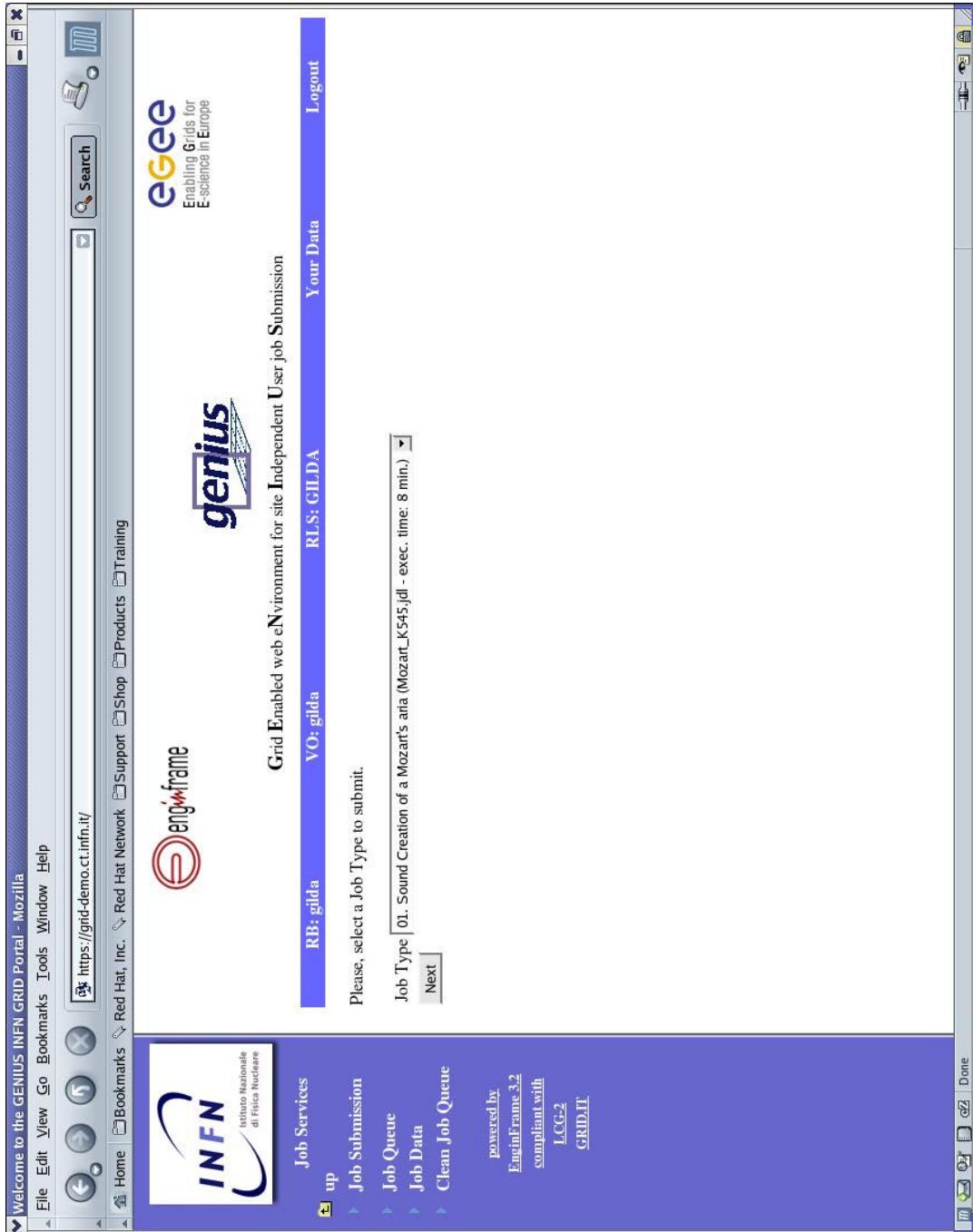
RB: gilda VO: gilda RLS: GILDA Your Data

Please, select a Job Type to submit.

Job Type [01. Sound Creation of a Mozart's aria (Mozart_K545,jdl - exec. time: 8 min.)] Next

Job Services up Job Submission Job Queue Job Data Clean Job Queue

powered by EnginFrame 3.2 compliant with LCG-2 GRID-II



Job Submission (3/4)



Welcome to the GENIUS INFN GRID Portal - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Shop Products Training

genius

Grid Enabled web eNvironment for site Independent User job Submission

RB: gilda VO: gilda RLS: GILDA Your Data Logout

Now you may also choose a specific Computing Element for your job.

Job Type Selected Mozart.K545.jidl

Specify the CSE Resource Let the GILDA Resource Broker choose

Submit Job

Job Services

up Job Submission

Job Queue

Job Data

Clean Job Queue

powered by
EnginFrame 3.2
compliant with
LCG 2
GRID II

Done

Job Submission (4/4)

Welcome to the GENIUS INFN GRID Portal - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Products Training

genius enginframe

Grid Enabled web eNvironment for site Independent User job Submission

RB: gilda VO: gilda RLS: GILDA Your Data Logout

Selected Virtual Organisation name (from UI conf file): gilda
Connecting to host grid004.ct.infn.it, port 7772
Logging to host grid004.ct.infn.it, port 9002

The job has been successfully submitted to the Network Server.
Use edg-job-status command to check job current status. Your job identifier (edg-jobId) is:
=====

```
- https://grid004.ct.infn.it:9000/B9i2nTJWnfmXz3A3kyw  
The edg-jobId has been saved in the following file:  
/home/demo07/.genius/.tmp_submittedjob_demo07
```

Job Services

- up
- Job Submission
- Job Queue
- Job Data
- Clean Job Queue

Powered by

EnginFrame 3.2
compliant with
LCG 2
GRID II

Job Queue



Welcome to the GENIUS INFN GRID Portal - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Shop Products Training

genius

Grid Enabled web eNvironment for site Independent User job Submission

RB: gilda VO: gilda RLS: GILDA Your Data Logout

#	Job ID	JDL Name	Last Update	Destination	Status	Exit Code	Action
2	B9i2nTJWWMfmXz3eA3vkyw	/home/demo07/Mozart.K545.jdl	Wed 09:38:14 2004	grid010.ct.infn.it:2119/jobmanager-lcgpbs-infinite	Done	0	Get Out
1	UuX2XHe00ODrvBrc0afvO4A	/home/demo07/sphere.jdl	Fri May 10 10:00:11 2004	grid010.ct.infn.it:2119/jobmanager-lcgpbs-long	Cleared		

Job Services

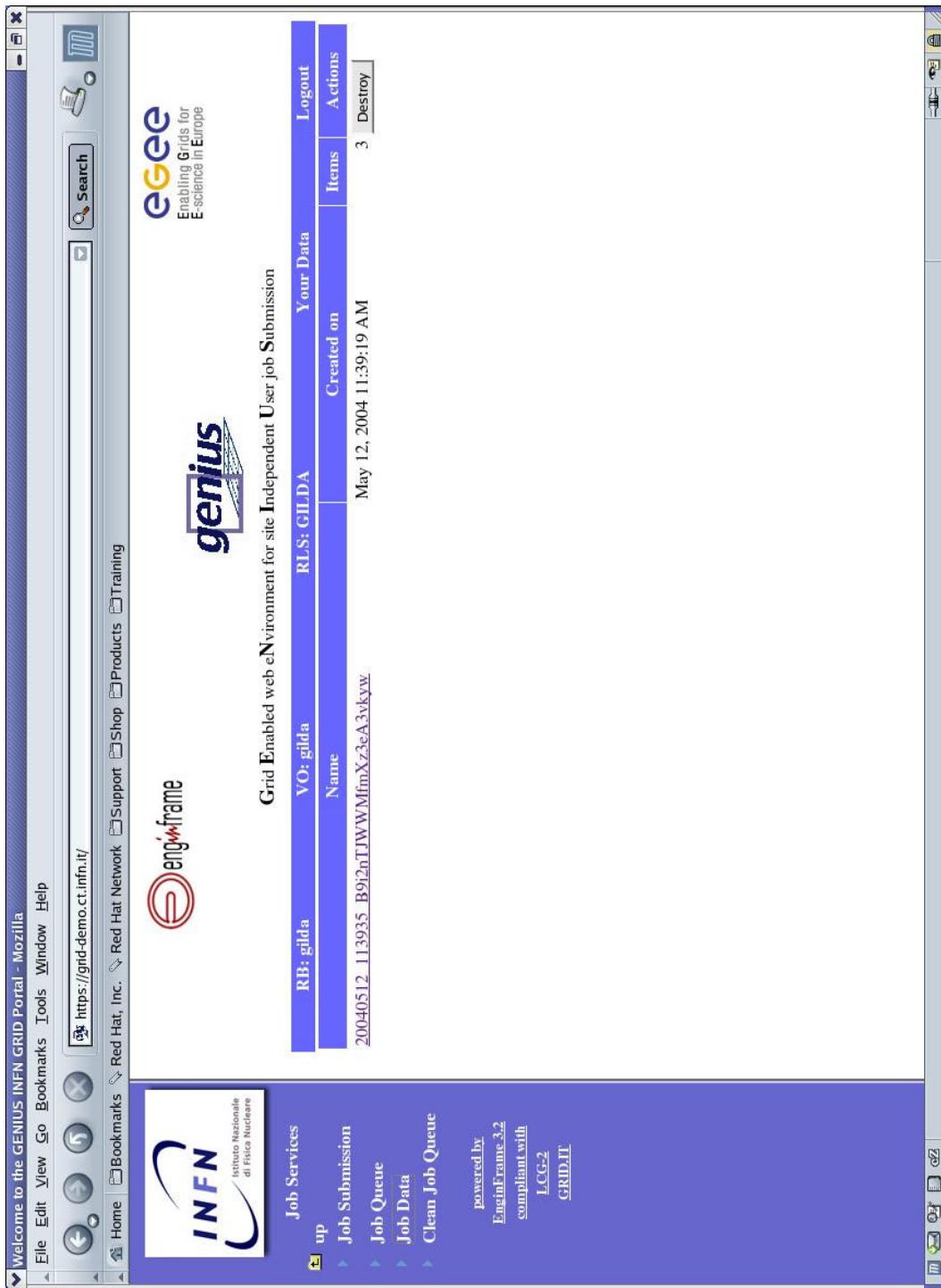
- up
- Job Submission
- Job Queue
- Job Data
- Clean Job Queue

powered by

EnginFrame 3.2
compliant with
LCG-2
GRID-II

m z Done

Job Data (1/2)



Welcome to the GENIUS INFN GRID Portal - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Shop Products Training

Grid Enabled web eNvironment for site Independent User job Submission

Logout

RB: gilda VO: gilda RLS: GILDA Your Data Actions

Name	Created on	Items	Actions
20040512_113935_B9j2nTJWWMfmXz3eA3vkyw	May 12, 2004 11:39:19 AM	3	Destroy

Job Services up Job Submission Job Queue Job Data Clean Job Queue

powered by EnginFrame 3.2 compliant with LCG-2 GRDITI

INFN Istituto Nazionale di Fisica Nucleare

genius

EnginFrame

Job Data(2/2)



Welcome to the GENIUS INFN GRID Portal - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Shop Products Training

genius

Grid Enabled web eNvironment for site Independent User job Submission

RB: gilda VO: gilda RLS: GILDA Your Data Logout

Destroy Directory contents -2040512_113935_B912nTlWWMMfmXz3eA3vkyw 16,256

Mozart K545 csound.aiff 4,963,686 Mozart K545_csound.out.txt

Mozart K545 csound.err.txt 185

Job Services up Job Submission Job Queue Job Data Clean Job Queue

powered by EnginFrame 3.2 compliant with LCG-2 GRID.IU

INFN Istituto Nazionale di Fisica Nucleare

Search

Done

The screenshot shows a Mozilla browser window displaying the GENIUS INFN GRID Portal. The URL is https://grid-demo.ct.infn.it/. The page title is "Welcome to the GENIUS INFN GRID Portal - Mozilla". The menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, Help, and a search bar. Below the menu is a toolbar with icons for back, forward, stop, and refresh. The main content area displays a table of job submissions. The table has columns for RB: gilda, VO: gilda, RLS: GILDA, Your Data, and Logout. Under "RB: gilda", there is a "Destroy" button. The "Your Data" column lists a directory content with a file size of 16,256. The "Logout" button is highlighted in blue. At the bottom of the table, there are links for Job Services, Job Submission, Job Queue, Job Data, and Clean Job Queue. A footer at the bottom of the page states "powered by EnginFrame 3.2 compliant with LCG-2 GRID.IU" and features the INFN logo.

Example 1



Welcome to the GENIUS GRID Portal - Mozilla

File Edit View Go Bookmarks Tools Window Help

https://grid-demo.ct.infn.it/

Home Bookmarks Red Hat, Inc. Red Hat Network Support Products Training

eGEE Enabling Grids for E-science in Europe

genius

enginframe

INFN Istituto Nazionale di Fisica Nucleare

Grid Enabled web eNvironment for site Independent User job Submission

RH: gilda VO: gilda RLS: GILDA Your Data Logout

Directory contents - 20040512_123657_spoWzclSkVMIIBUmR-thmA

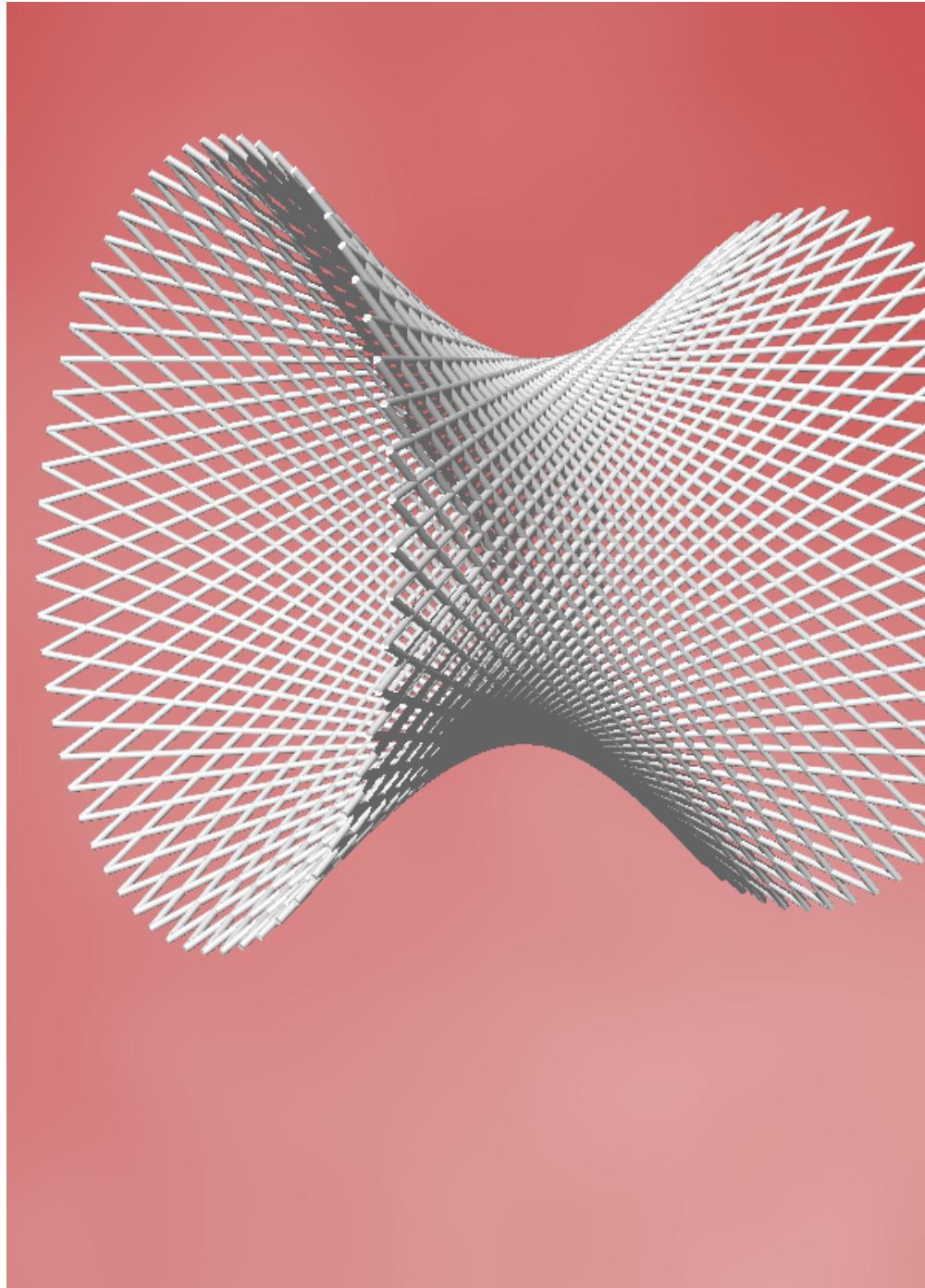
demotools.err	0	mount sainte helens WA.ppm
grand_canyon AZ.ppm	1,604,909	mount sainte helens WA.wl
grand_canyon AZ.wrl	971,259	demotools.out.txt

file:///tmp/grand_canyon.AZ.wrl

file:///tmp/mount.sainte_helens.WA.wrl

powered by
EnginFrame 3.2
compliant with
LCG-2
GRID-IT

Example 2



Example 3

