

# OPENGL Visualisation

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## 1 MP\_FRAC\_D3\_FLOW

Launch your executable **MP\_FRAC\_D3\_FLOW** with OPENGL enabled

### **F**

when multiwindows mode is use switch between each windows or complete display

### **Left Click+movement**

rotation of the fracture network

### **SHIFT+Left Click+movement**

zoom (in or out) of the fracture network

### **CTRL+SHIFT+Left Click+movement**

Translation of the fracture network

### **Right Arrow**

switch between each windows, current window is in red, to select it type ENTER, window selected is now in green

### 1.1 How to select a fracture

Use **Right Arrow** to switch between windows and select it bt typing **ENTER** and use:

### **CTRL+Left Arrow**

BUG selected fracture of index *index-1*

### **CTRL+Right Arrow**

BUG selected fracture of index *index+1*

### **E**

display Fracture / Display Clusters / Display main cluster

### **Q**

display the network patch by patch

### **I**

when a fracture is selected, display all the network, then only the selected

### **CTRL+F1**

when a fracture is selected, display all the subnetwork

**CTRL+F2**

when a fracture is selected, display the next subnetwork or the first if all the networks were displayed

**CTRL+F3**

when a fracture is selected, display the previous subnetwork

**CTRL+F4**

when a fracture is selected, display only fractures on several multi-domain in a multi-domain network

**CTRL+Suppr**

when a fracture is selected, remove the selected fracture

## 1.2 Special Functions

**CTRL+A**

shuffle the orientations

**CTRL+C**

shuffle the positions

**CTRL+T**

shuffle the aperture

## 2 PARADIS

Launch your executable **PARADIS** with OPENGL enabled.

**F**

when multiwindows mode is use switch between each windows or complete display

**Left Click+movement**

rotation of the permeability field / velocity field

**SHIFT+Left Click+movement**

zoom (in or out) of the permeability field / velocity field

**CTRL+SHIFT+Left Click+movement**

Translation of the permeability field / velocity field

**Right Arrow**

switch between each windows, current window is in red, to select it type ENTER, window selected is now in green

**R**

back to default display (window should not be active – not in green)

**S**

to take a screenshot of the current window (window must not be active)

## 2.1 How to use the particle tracker

Use right arrow and type ENTER to select the tracker, window selected is now in green.

- P** Show/Hide particle paths
- Q** Show/Hide particles
- U** particles moving
- I** jump of 10 time steps
- D** back to default display of particles