WorkFeature-WB :
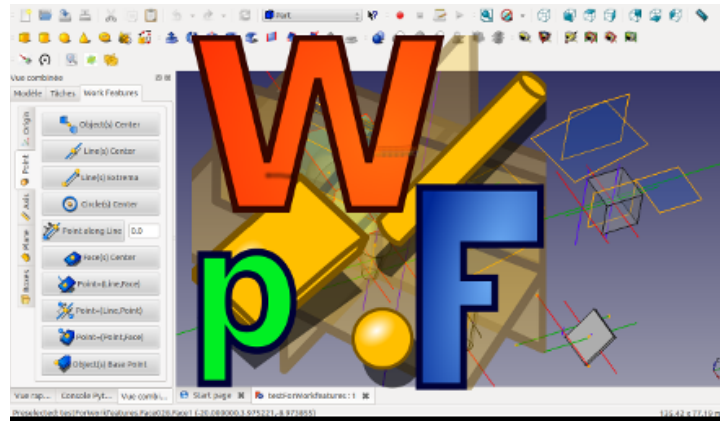
Work Feature workbench with parametric objects For FreeCAD
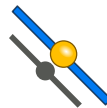

How to create "Center Line Point(s)"

Updated in February 2018

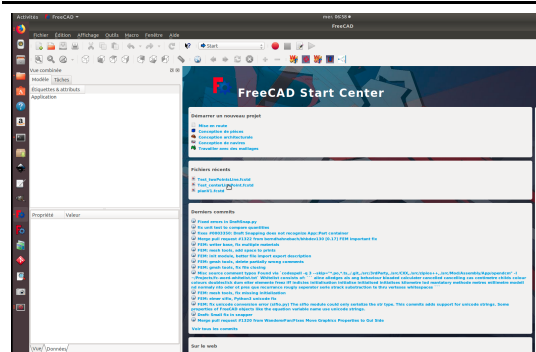github : https://github.com/Rentlau/WorkFeature-WB (https://github.com/Rentlau/WorkFeature-WB)

Objective

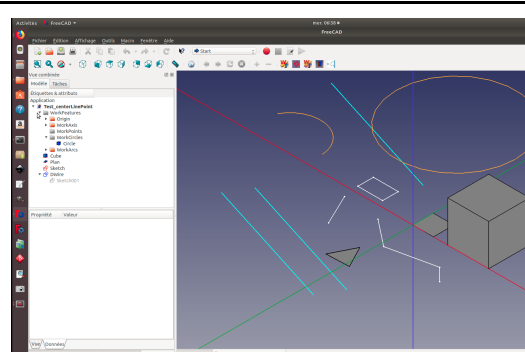See the usage of the **"CenterLinePoint"** Button :
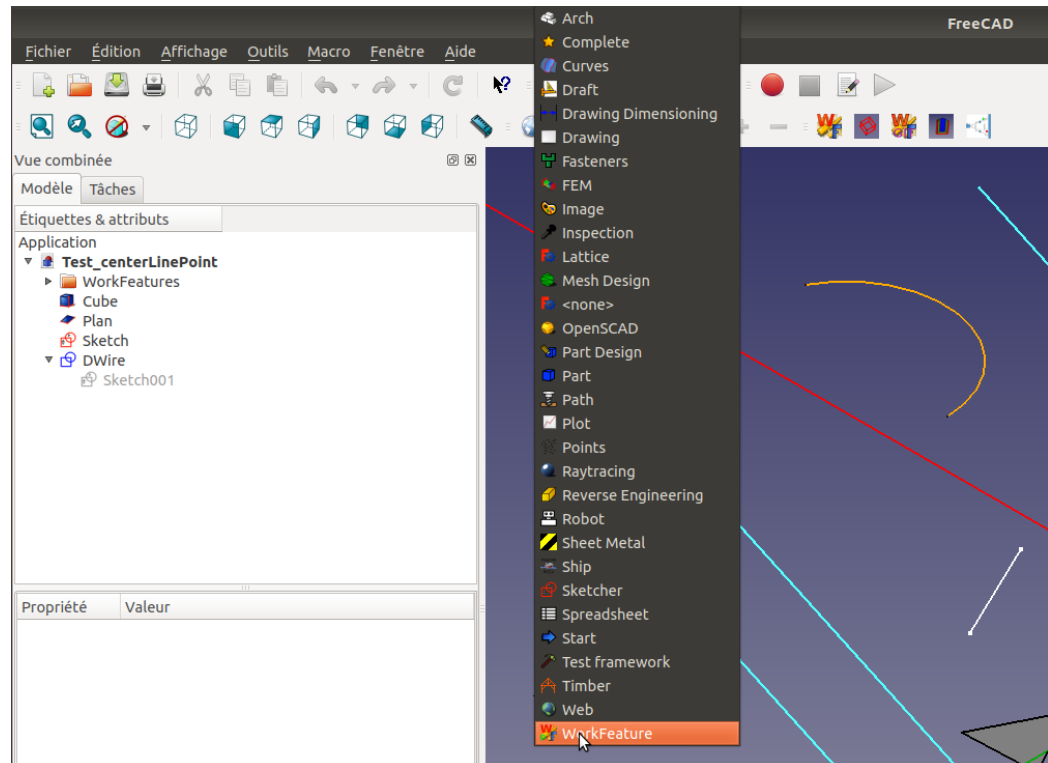

How to

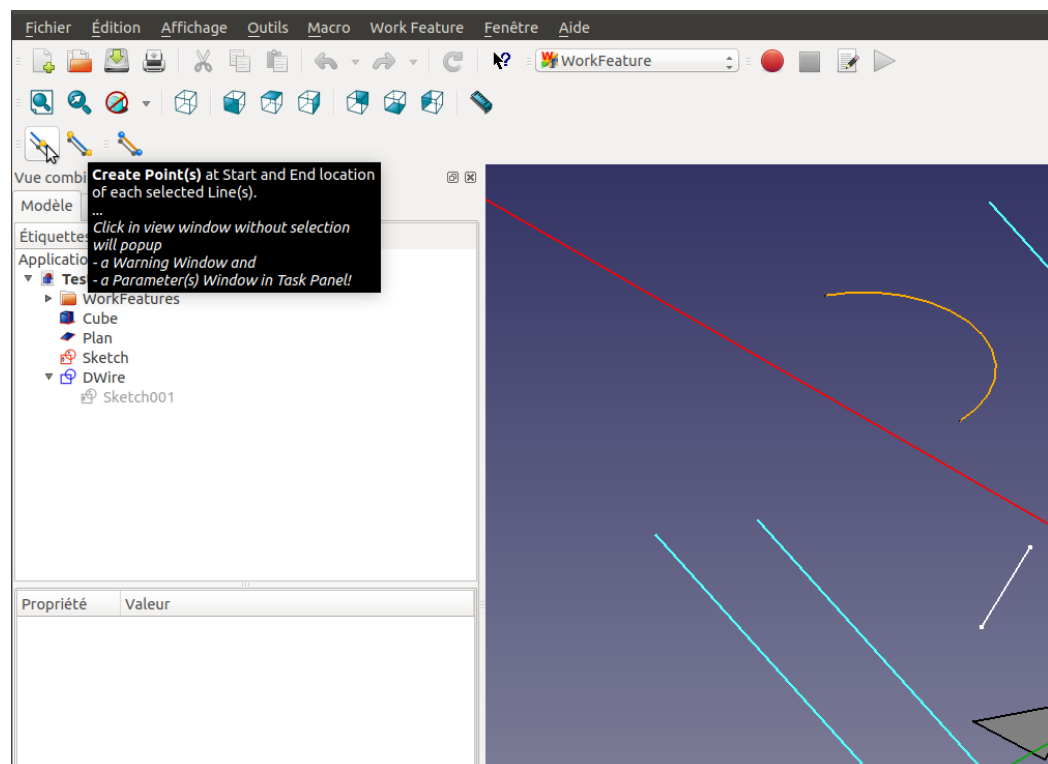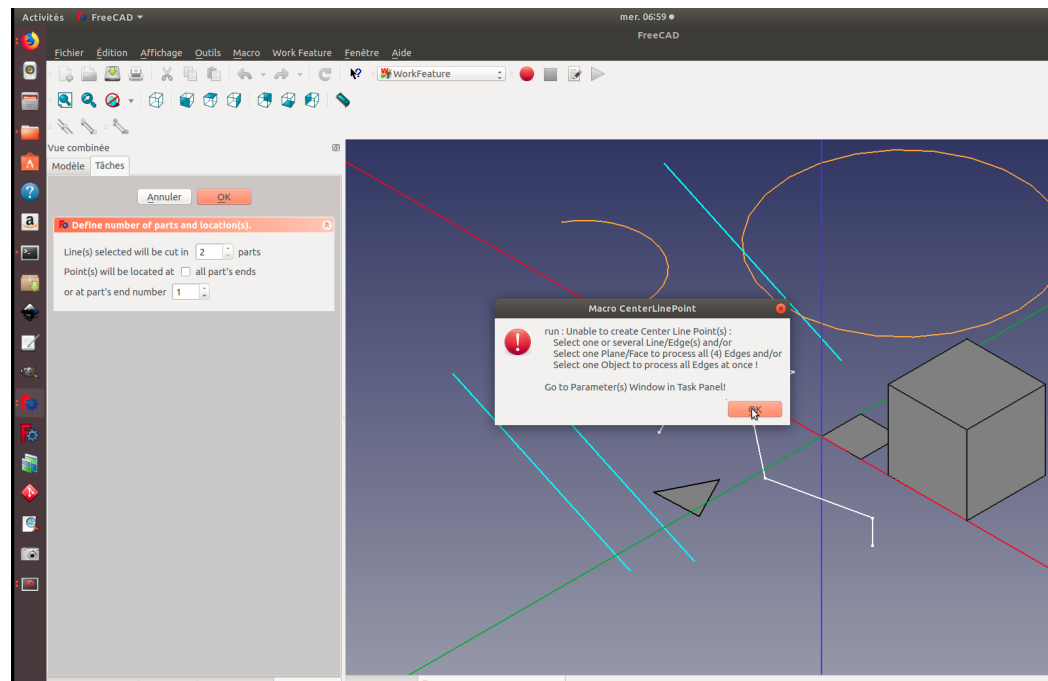|	
A - First open FeeCAD application	**B - And select the FreeCAD File**

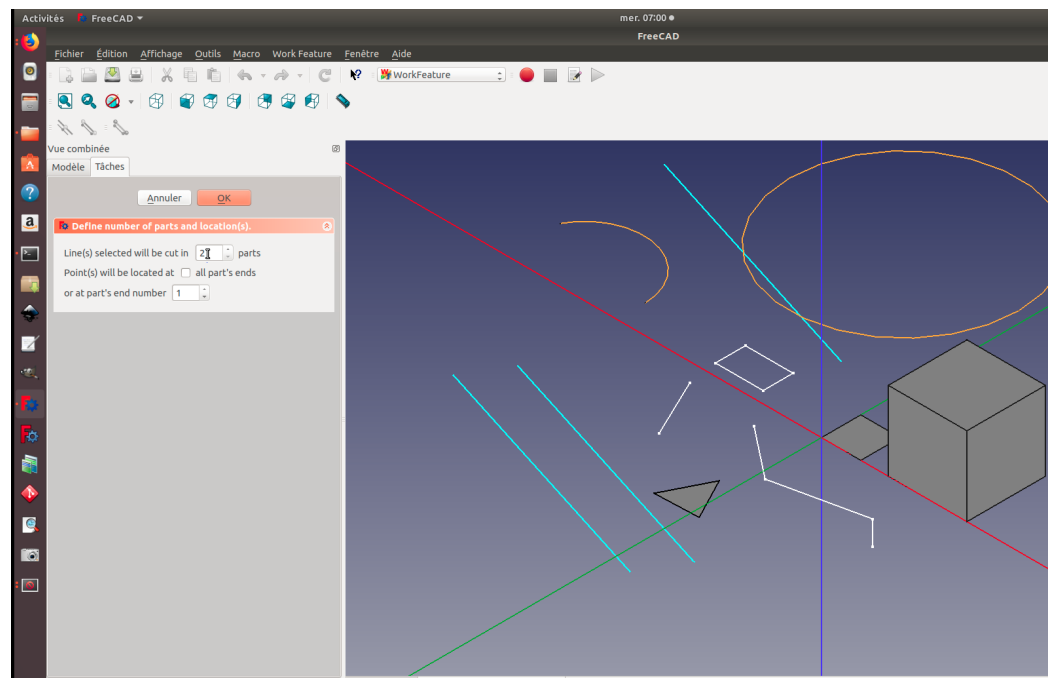- Select the **WorkFeature** Workbench :

- Click on the **Create Point(s)** button :

- You will end up with a **Popup window** message and a **Parameter window** in Tasks Panel where you can define parameters for the **"CenterLinePoint"** function :

- Click first "OK button" on **Popup window** message and go to define parameters :
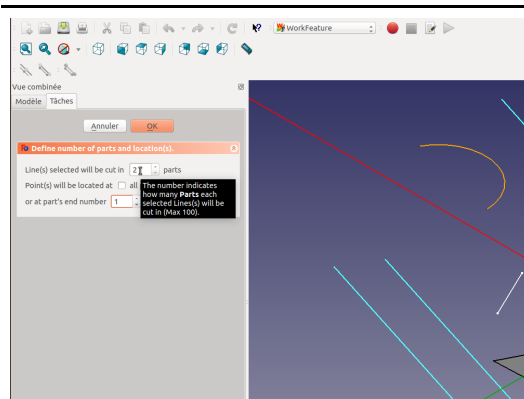
- Three parameters can be defined :

  - The **number of parts**; the selected line(s) can be cut in (2 parts if you want to get the middle point of the line(s);
  - The option to create all points located at all ends of all the parts you just defined;
  - Or in case of one point creation; the **location of the point** or **index part** (Note this number can be negative)

```
    1  : if the number of parts is 2 (1/2) means the middle of the
Line(s)
    0  : if the number of parts is 2 (0/2) means the start of the L
ine(s)
   -1 : if the number of parts is 2 (-1/2) means before the start
of the Line(s)
```
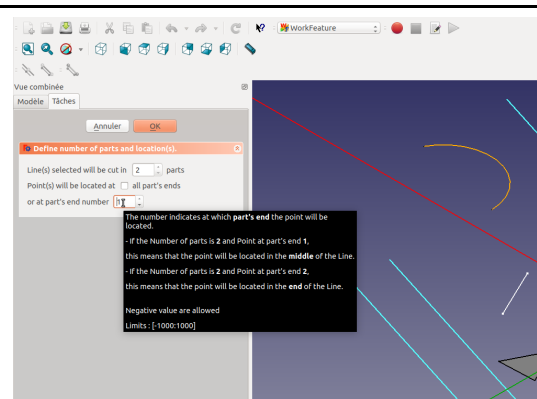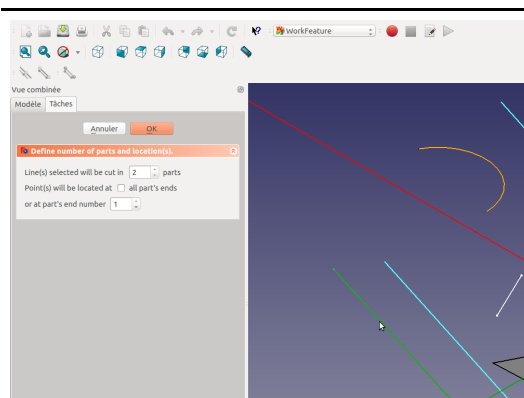
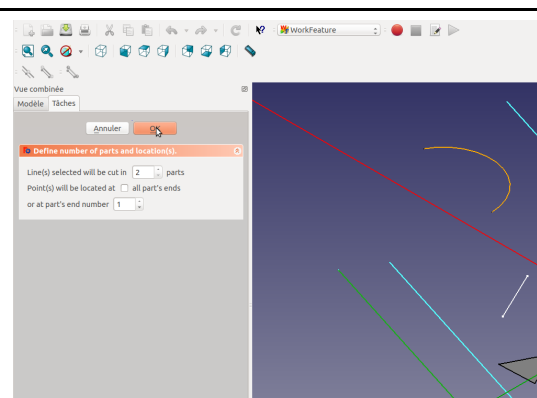| A - number of parts	B - location of the point

- Once defined the parameters; :

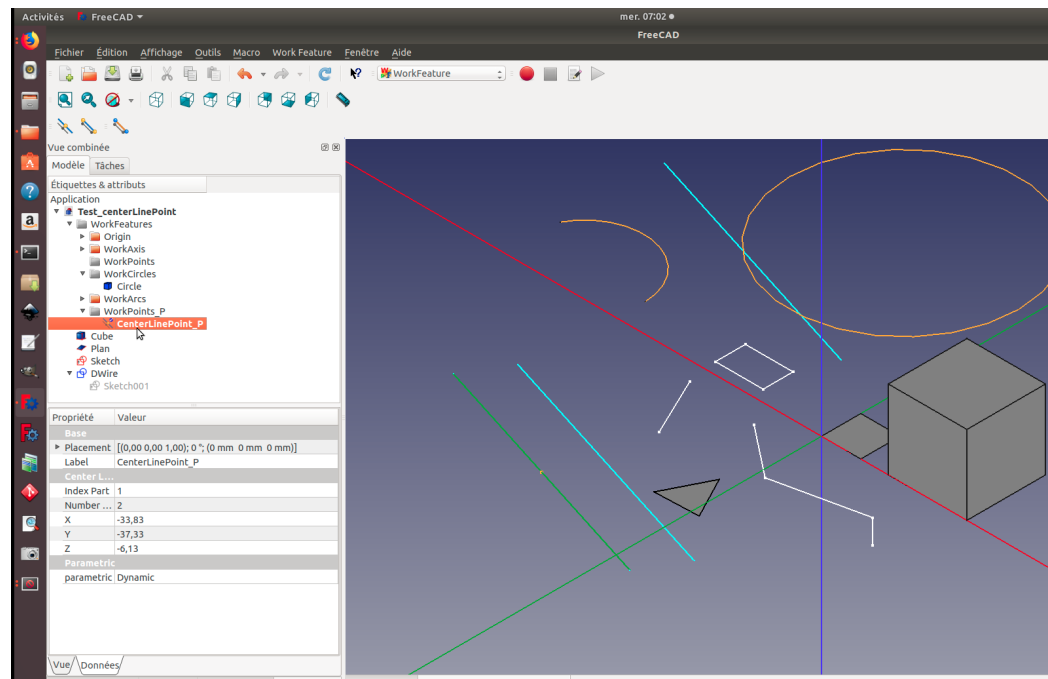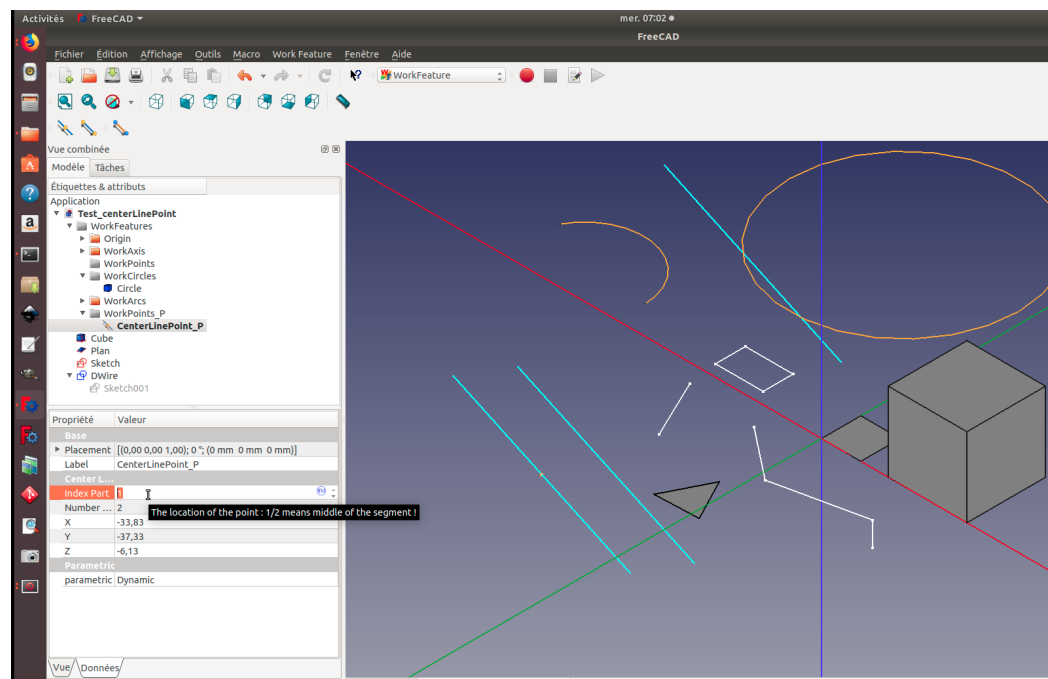| A - Select a Line	B - Click "OK button

- And a new **Point** is created under "Model Panel" below the **WorkFeature/WorkPoints_P** group (P means Parametric) :

- You can now play with Parametric Parameters of the new Point :

Note - You can also first select a line and click on the **"CenterLinePoint"** Button to get a new Point created !

Tested on FreeCAD 0.16

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Version	**0.16**
Numéro de révision	**6712 (Git)**
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Branch	**releases/FreeCAD-0-16**
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Copier dans le Presse-papiers   OK

In [ ]: