

GPRotation

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How to call it

For using the [GPRotation](#) class, the developer has only to create such an object as is:

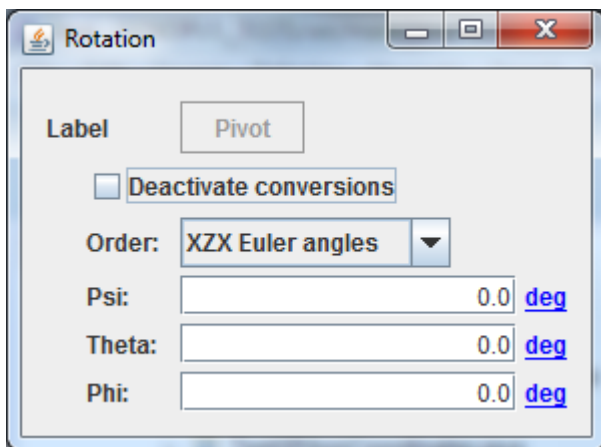
```
rotation = new GPRotation ("Label");
```

We also may initialize the widget with predefined values:

```
CustomRotation rot = new CustomRotation(RotationOrder.ZYX, FastMath.PI, 0.,  
0.);  
rotation = new GPRotation ("Label", rot);
```

Display

We will get:



As for the [GPOrbit](#) widget, it is possible to do conversions (or deactivate them by clicking on the corresponding checkbox) using the same "pivot" notion.

How to use it

To get a **GENOPUS** `CustomRotation` object, we will just have to call for the `getPatriusObject()` method as below:

```
CustomRotation rot = rotation.getPatriusObject();
```

How it is stored

Here is the **XML** format:

```
<Rotation name="Label">
  <String name="rotationOrder">XZX Euler angles</String>
  <Real name="psi" unit="deg">0.0E0</Real>
  <Real name="theta" unit="deg">1.8E2</Real>
  <Real name="phi" unit="deg">0.0E0</Real>
</Rotation>
```

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