

Basic Principle

De Wiki

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PSIMU proposed a **Java** interface

Most of the objects to pass as input data are [[PATRIUS](#)] ones. Some of them are specific to **PSIMU** or [[GENOPUS](#)] but, in that case, most of the time, it is due to the fact that these objects are not yet included in the used [[PATRIUS](#)] version: their name will then start by “*Custom...*”.

So, to use this **Java** interface, the developer will have to:

1. Initialize [[Patrius Dataset](#)].
2. Create a **PSIMU** object using its available constructor.
3. Calling for the propagation in master or slave mode.
4. Calling for “*getter*” methods to extract after the propagation all useful information.

For the first point, there are two possibilities:

- Calling directly the [[Patrius Dataset](#)] method:

```
// Patrius Dataset initialization  
PatriusDataset.addResourcesFromPatriusDataset() ;
```

- Or calling a specific **PSIMU** method allowing to manage both [[Patrius Dataset](#)] included Inside the **PSIMU** jar and local data (see [here](#)):

```
// Patrius data set initialization  
final String addDataName =  
AppPSimuConfigurationProperties.getInstance().getAdditionalPatriusFolder();  
AppPSimuConfigurationProperties.iniPatriusDataset(addDataName);
```

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