

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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