

User Manual 4.2 Tools

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Introduction



Man must at all costs overcome the Earth's gravity and have, in reserve, the space at least of the Solar System.

Konstantin Tsiolkovsky (1857 - 1935)

This section is a short presentation of the Tools package implemented in the PATRIUS Library. It currently implements the following tool(s) that cover some of the software requirements given in [A3] §5.3.2. :

Applicable and Reference Documents

Applicable Documents

[A1] *CDCF - Fonctions de Base du Patrimoine de Dynamique du Vol*, V1.2, SIRIUS-CF-DV-0049-CN, 2011.

[A2] *Dossier de réutilisation Orekit et Commons Math*, V1.0, SIRIUS-DLR-DV-0080-CN, 2010.

Reference Documents

None applicable.

Glossary

None applicable.

Overview

The Tools package of the PATRIUS library has been developed according to the SIRIUS Software Requirements [A3]. The tools developed are described hereafter :

Ephemeris Comparator

The ephemeris comparator tool of the Tools package of the PATRIUS library is a tool that can compare ephemeris files.

Package List

The following themes have been developed and deployed to the Tools package. These will help develop software covering some of the software requirements given in [A1] §4. :

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