

Main differences between V4.5.1 and V4.4

De Wiki

Aller à : [navigation](#), [rechercher](#)

[Main differences between V4.5.1 and V4.4](#)

PATRIUS V4.5.1 is a major release adding some new features and correcting some bugs.

New functionalities

- Add Mean \Leftrightarrow Osculating Liu conversion
- Add fast sin and cos computation in one single time
- Add handling of partial derivatives equations in multi-satellites propagation
- Improve computation times (orbit propagation mainly) when using Assemblies, drag force and rediffused PRS
- Add handling of signal propagation delay in event detections

Bugs fixes

- Correction of Meeus board model
- Correction of yaw compensation attitude law when used with a non-geocentric frame
- Correction of MSIS model (temperature below 72.5km)
- Correction of TLE handling of classification char
- Correction of redifused radiative model when used in conjunction with a non-spherical satellite
- Correction of MassModel mass update when used with several maneuvers

Récupérée de

« http://patrius.cnes.fr/index.php?title=Main_differences_between_V4.5.1_and_V4.4&oldid=2636 »

Menu de navigation

Outils personnels

- [3.129.39.85](#)
- [Discussion avec cette adresse IP](#)
- [Créer un compte](#)
- [Se connecter](#)

Espaces de noms

- [Page](#)
- [Discussion](#)

Variantes

Affichages

- [Lire](#)
- [Voir le texte source](#)
- [Historique](#)
- [Exporter en PDF](#)

Plus

Rechercher

PATRIUS

- [Welcome](#)

Evolutions

- [Main differences between V4.15 and V4.14](#)
- [Main differences between V4.14 and V4.13](#)
- [Main differences between V4.13 and V4.12](#)
- [Main differences between V4.12 and V4.11](#)
- [Main differences between V4.11 and V4.10](#)
- [Main differences between V4.10 and V4.9](#)
- [Main differences between V4.9 and V4.8](#)
- [Main differences between V4.8 and V4.7](#)
- [Main differences between V4.7 and V4.6.1](#)
- [Main differences between V4.6.1 and V4.5.1](#)
- [Main differences between V4.5.1 and V4.4](#)
- [Main differences between V4.4 and V4.3](#)
- [Main differences between V4.3 and V4.2](#)
- [Main differences between V4.2 and V4.1.1](#)
- [Main differences between V4.1.1 and V4.1](#)
- [Main differences between V4.1 and V4.0](#)
- [Main differences between V4.0 and V3.4.1](#)

User Manual

- [User Manual 4.15](#)
- [User Manual 4.14](#)
- [User Manual 4.13](#)
- [User Manual 4.12](#)
- [User Manual 4.11](#)

- [User Manual 4.10](#)
- [User Manual 4.9](#)
- [User Manual 4.8](#)
- [User Manual 4.7](#)
- [User Manual 4.6.1](#)
- [User Manual 4.5.1](#)
- [User Manual 4.4](#)
- [User Manual 4.3](#)
- [User Manual 4.2](#)
- [User Manual 4.1](#)
- [User Manual 4.0](#)
- [User Manual 3.4.1](#)
- [User Manual 3.3](#)

Tutorials

- [Tutorials 4.15](#)
- [Tutorials 4.14](#)
- [Tutorials 4.13.5](#)
- [Tutorials 4.12.1](#)
- [Tutorials 4.8.1](#)
- [Tutorials 4.5.1](#)
- [Tutorials 4.4](#)
- [Tutorials 4.1](#)
- [Tutorials 4.0](#)

Links

- [CNES freeware server](#)

Navigation

- [Accueil](#)
- [Modifications récentes](#)
- [Page au hasard](#)
- [Aide](#)

Outils

- [Pages liées](#)
- [Suivi des pages liées](#)
- [Pages spéciales](#)
- [Adresse de cette version](#)
- [Information sur la page](#)
- [Citer cette page](#)

- Dernière modification de cette page le 7 août 2020 à 09:07.

- [Politique de confidentialité](#)
- [À propos de Wiki](#)
- [Avertissements](#)
- 