

VehicleWithMassPropertyAndTank 4.4

De Wiki

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

[Fichier:TimeOrekit.JPG](#) > [Utilisateur:18.117.227.194](#) > [Spécial:ExportRDF/User Manual 3.4.1 Time](#)
> [Discussion utilisateur:3.145.163.58](#) > [VehicleWithMassPropertyAndTank 4.4](#)

```
public class VehicleWithMassPropertyAndTank {

    public static void main(String[] args) throws PatriusException {

        // Using an assembly builder
        final AssemblyBuilder builder = new AssemblyBuilder();

        // Main part (for example dry mass)
        final double dryMass = 1000.;
        builder.addMainPart("MAIN");
        builder.addProperty(new MassProperty(dryMass), "MAIN");

    // SPECIFIC
        // Tank part (ergols mass) ; considering centered vs the main part
        final double ergolsMass = 100.;
        builder.addPart("TANK", "MAIN", Transform.IDENTITY);
        builder.addProperty(new MassProperty(ergolsMass), "TANK");
    // SPECIFIC

        // Getting the corresponding assembly
        final Assembly assembly = builder.returnAssembly();

        // Getting the corresponding mass model (useful for propagation,
        manoeuvres, ...)
        final MassProvider mm = new MassModel(assembly);

        int iPart = 0;
        for (String name : mm.getAllPartsNames()) {
            System.out.println("Part #" + (iPart++));
            System.out.println("  Name : " + name);
            System.out.println("  Mass : " + mm.getMass(name));
        }

        System.out.println("\nTotal mass: " + mm.getTotalMass());

    }

}
```

Récupérée de

« http://patrius.cnes.fr/index.php?title=VehicleWithMassPropertyAndTank_4.4&oldid=2489 »

Menu de navigation

Outils personnels

- [3.21.154.139](#)
- [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 V4.13 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 4.13](#)
- [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 4.5.1](#)
- [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 3 octobre 2019 à 12:34.

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

- 