

VehicleWithMassProperty 4.4

De Wiki

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```
public class VehicleWithMassProperty {  
  
    /**  
     * @param args  
     * @throws OrekitException  
     */  
    public static void main(String[] args) throws PatriusException {  
  
        // Using an assembly builder  
        final AssemblyBuilder builder = new AssemblyBuilder();  
  
        // Main part (the only one in this example)  
        final double dryMass = 1000.;  
        builder.addMainPart("MAIN");  
        builder.addProperty(new MassProperty(dryMass), "MAIN");  
  
        // Getting the corresponding assembly  
        final Assembly assembly = builder.returnAssembly();  
  
        // Getting the corresponding mass model (useful for propagation,  
        manoeuvres, ...)  
        final MassProvider mm = new MassModel(assembly);  
  
        System.out.println("Name of the main part: " +  
assembly.getMainPart().getName());  
        System.out.println("Total mass: " + mm.getTotalMass());  
  
    }  
  
}
```

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