Appendix J

Presentation of the Open Frontier Framework as a Platform for Space Engineering Tools

Holger Sdunnus (eta_max space GmbH, Germany)

















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		Handa On Dama
		Hands-On Demo

Open Frontier Platform Concept					
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Open Frontier Platform Concept eta_max space Richard-Wagner-Str.1, 38106 Braunschweig	
Open Frontier	
Data Model	
Geometry geometrical data pointing kinematics material informationMission orbit time 	
General Services	
Meshing Position Attitude Ray tracing	
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Open Frontier Platform Concept	
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Graphical User Interface	
Input Acquisition Visualisation	
Plug-In Module API	
Data Model	
Geometry geometrical data pointing kinematics material informationMission orbit time perturbationsOutput pre-processing geometrical results tabular results	
General Services	
Meshing Position Attitude Ray tracing	
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┌ Open Frontier	_{າ Γ} Debris Analysis Tool ——
Graphical User Interface	Debris Editor
Input Acquisition Visualisation	Debris Analysis (Solver)
Plug-In Module API	Debris model Meteoroid model Damage/Failure equations
Data Model	
Geometry geometrical data pointing kinematics material informationMission orbit time perturbationsOutput pre-processing geometrical results 	Analysis Tool 1 Editor(s) Solver
General Services	_ Analysis Tool 2
Meshing Position Attitude Ray tracing	Editor(s) Solver











