DASSAULT SYSTEMES

Dymola 2012

Dymola, the Dynamic Modeling Laboratory, is a comprehensive solution for modeling and simulating integrated and complex systems for use within automotive, aerospace, robotics, process, and other applications.

Dymola Configurations and Products

Configurations

DYM   Dymola - Standard Configuration

Dymola Products

SMK   Dymola – Simulink Interface
RHS   Dymola – Real Time Simulation
XBM   Dymola – Binary Model Export
GSC   Dymola – Source Code Generation
MOM Dymola – Model Management
MOC   Dymola – Model Calibration
DOZ   Dymola – Design Optimization

Dymola Optional Model Libraries

PWY   Dymola – Powertrain Library
FBY   Dymola – Flexible Bodies Library
SEY   Dymola – Smart Electric Drives Library
HDY   Dymola – Hydraulics Library
PNY   Dymola – Pneumatics Library
VCY   Dymola – Vehicle Dynamics Library – Cars
VTY   Dymola – Vehicle Dynamics Library – Trucks
VSY   Dymola – Vehicle Dynamics Library – Car Suspensions
VDY   Dymola – Vehicle Dynamics Library – Drivelines
VFY   Dymola – Vehicle Dynamics Library – Active Safety
CSY   Dymola – Vehicle Dynamics Library – Parsfile Interface
ACY   Dymola – Air Conditioning Library

Dymola Optional Model Libraries Export

XPW   Dymola – Powertrain Library Export
XFB   Dymola – Flexible Bodies Library Export
XED   Dymola – Smart Electric Drives Library Export
XHD   Dymola – Hydraulics Library Export
XPN   Dymola – Pneumatics Library Export
XVC   Dymola – Vehicle Dynamics Library – Cars Export
XVT   Dymola – Vehicle Dynamics Library – Trucks Export
XVS   Dymola – Vehicle Dynamics Library – Car Suspensions Export
XVD   Dymola – Vehicle Dynamics Library – Drivelines Export
XVF   Dymola – Vehicle Dynamics Library – Active Safety Export
XCS   Dymola – Vehicle Dynamics Library – Parsfile Interface Export
XAC   Dymola – Air Conditioning Library Export

Dymola Configuration Runtime

DYR   Dymola – Standard Runtime

Dymola Optional Model Libraries Runtime

YPW   Dymola – Powertrain Runtime Library
YFB   Dymola – Flexible Bodies Runtime Library
YSE   Dymola – Smart Electric Drives Runtime Library
YHD   Dymola – Hydraulics Runtime Library
YPN   Dymola – Pneumatics Runtime Library
YVC   Dymola – Vehicle Dynamics Runtime Library – Cars
YVT   Dymola – Vehicle Dynamics Runtime Library – Trucks
YVS   Dymola – Vehicle Dynamics Runtime Library – Car Suspensions
YVD   Dymola – Vehicle Dynamics Runtime Library – Drivelines
YVF   Dymola – Vehicle Dynamics Runtime Library – Active Safety
YCS   Dymola – Vehicle Dynamics Runtime Library – Parsfile Interface
YAC   Dymola – Air Conditioning Runtime Library

Dymola Academic Configurations

DYL   Dymola – Academic Learn
DYI   Dymola – Academic Innovate
YSL   Dymola – Student Learn
YSI   Dymola – Student Innovate

Hardware Requirements

Hardware requirements for Microsoft® Windows® XP, Windows Vista, Windows 7 and Linux:

- At least 1 GB RAM
- At least 400 MB disk space

Software Requirements

Software requirements for Microsoft Windows XP, Windows Vista, Windows 7 and Linux:

- For the Windows platform, Microsoft C/C++ compiler must be installed separately. Installation instructions in the Dymola Installation manual.
- On Linux, Dymola is supported on Red Hat Enterprise Linux 5.1 and compatible systems available in October 2009, using the native C compiler.

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- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.

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Modelica Standard Library

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Excluded Components

The components listed below are Excluded Components:

    ANTLR
     Blowfish
    MT19937
    Win32_dirent.h
    Zlib Compression Library

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Designated Machine Identification

No

Test Period

No

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June 2011