CMI DMU Module – CATIA Teamcenter Integration Neighborhood Search Volume-based Search

T-Systems PLM Applications

F Systems Let's power higher performance

CMI DMU Module Key Features

- The bounding box is oriented at the geometry's main axis system
 - closely wrapped geometry leads to good search results
 - bounding box information can be used for packaging
- Works with CATIA V4 and V5 models and with mixed product structures
- Fast bounding box collision detection algorithm
- Geometrical pre-selection directly in Teamcenter
 - reduced load time to CATIA V4/V5 and DMU Navigator
 - reduced amount of data in CATIA V4/V5 and DMU Navigator
- Tailored product structure can be stored as CMI saved session
 - reduced effort for DMU research
- High performance multi-level expand on base of DMU-file

CMI DMU Module Technical Highlights

- Neighborhood search
- Volume based search
 - Definition through part selection
- Definition through manual input
- Definition of an offset (clearance) for search
- Multi-instance selection support
- Combination of geometrical researches

CMI DMU Module Bounding Box Generation

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Bounding Box generation is available in batch mode, too!



CMI DMU Module Neighborhood Search – User Scenario



CMI DMU Module Volume-based Search – User Scenario

