

Feature Summary

Following is a list of new features in CBS Pro 21.0 software. Detailed descriptions can be found in the help file and user's guide.

List of features

Input/Output

Integration

- CBS Pro – Revit® link
- Export of load combinations to r/c modules of ROBOT™ Millennium software
- Export of inclined beams to r/c modules of ROBOT Millennium
- Export of column chain (multi-leveled columns) to r/c column module of ROBOT Millennium
- Import/Export IFC improvements
- Import of 3D objects using OBJ format
- Export of r/c elements to the opened ROBOT Millennium project (rtd)

Modeling

Edit Options

- Visualization of multi-layered walls in 2D view
- Transparency of 3D objects with rendering
- Definition of 2D graphical objects (lines)
- Layer parameterization (color, line thickness, line types)
- Export of graphical objects into DXF™ files
- Speed optimization for very large DXF examples
- Definition of 2D graphical symbols
- Quick offset definition during element editing
- Parameterization of dimension lines
- Graphical modification of objects
- New cursor shapes
- Background color selection (with predefined white and black background color sets)
- Texture display (on/off)

Analysis

- Transfer a moment by a ground beam
- Import 3D reinforcing bars from ROBOT Millennium r/c modules
- Selection during a structure export to ROBOT Millennium

- Modification of slab calculations – main direction of reinforcement, main direction
- Export of a behavior factor to the wall module (seismic calculations)
- Pre-design of walls
- Horizontal offsets accounted for in advanced calculations
- Seismic calculations according to PS92-2008
- Calculations of required reinforcement areas of slabs and walls –Linearization of loads in beams

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