

Web Update Enhancement List

Autodesk ROBOT Millennium 21.0

Updates in Maintenance Pack 1 for Version 21.0:

- General: the OpenGL graphic display for the latest drivers (where display problems were encountered) has been fixed
- General: the Deleting Prepared Results tool is now launched in the working language of ROBOT Millennium
- General: the timber strength value in material databases has been fixed
- General: storing the Joist family in the section label has been fixed
- Model Generation: division of calculation bars at intersections with cladding edges has been fixed
- Model Generation: calculations done at the point where a load is applied have been fixed
- Dynamic/Time History Analysis: in the elasto-plastic analysis of bars, unjustified zero values of plastic strains have been fixed
- Non-linear Analysis: the sparse solver has been improved to calculate models with DSC (discontinuity) releases and rigid links
- Printout of results: preview of the map printout using the PNG format has been fixed
- RC Design: during the optimization of multi-span beams, reinforcement that extends off the section is properly generated
- RC Design: in calculation notes for the PN/B-03264 code, an incorrect concrete strength value and an incorrect concrete class have been fixed
- RC Design: a certain sequence of layouts when opening the Foundation definition layout no longer produces an error
- RC Design: column calculations for a large number of combination components have been fixed
- RC Design: display of steel and concrete stresses for specific load cases has been fixed
- RC Design: when using BS-8110 with the Correction of cracking option turned on, the reinforcement distribution algorithm for slabs has been fixed
- Steel Connections: conversion of a connection definition (display and save problems) has been fixed
- Steel Connections: verification of a welded tube truss connection according to EC3:2005 has been fixed
- Steel Connections: CM66 calculations of a truss node for failure modes 1 and 3 have been fixed
- Steel Design: previewing the results no longer produces an error
- Steel Design: EC3-Belgian NAD – an efficiency ratio for 2D bars defined in a 3D structure has been fixed
- Steel Design: ANSI/AISC – calculation of $M_{nz}[FLB]$ has been fixed
- Steel Design: SEA - calculation of $f(M_z)$ for the global stability check has been fixed
- Steel Design: EC 1993-1:2005 – design of groups of thin-walled sections has been fixed
- Steel Design: EC3:2005 - calculations of LTB parameters have been fixed
- Steel Design: PN - calculation of the beta coefficient for lateral buckling verification has been fixed
- Timber Design: defining the fire resistance settings no longer produces an error



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