Autodesk® Robot™ Structural Analysis Professional 2009

# Web Update Enhancement List

**Autodesk Robot Structural Analysis Professional 2009**

**Changes in Service Pack 1 for version 22.0.0.2950:**

- License: A Portable License Utility tool and a Network License Activation tool are now available.
- General: Registration of Robot™ Extensions tools has been fixed.
- General: Group of bars is correctly taken into account in the Inspector dialog box for Frame structures.
- General: Switching of grid for Building Design template has been fixed during changing views (Projection / View).
- General: The lack of program response for dialog boxes with tab selectors after running printout composition has been fixed.
- General: Preview of printout composition during changing of a view orientation has been corrected.
- General: Export of a structure with defined steel connections to AutoCAD© Structural Detailing 2009 software has been corrected.
- General: Snapping and tracking defects have been fixed.
- Analysis: Conversion of dead load into mass in case of consistent mass matrix has been improved.
- Analysis: Ignoring of mass eccentricities in simplified dynamic analysis (spectral) has been fixed.
- Analysis: Calculations of spectral coefficients for seismic analysis according to French code (SPS) have been corrected.
- Analysis: Algorithm for nonlinear analysis of supports with unidirectional elasticity has been fixed.
- Results: Values in tables of internal forces at slab nodes have been fixed; this applies only to slab nodes for which *Reduction of forces (at supports or above columns and walls)* is selected.
- RC Design: Launch of the reinforcement editor has been fixed.
- RC Design: Generation and description of the reinforcement have been fixed.
- RC Design: Definition of buckling length of bars for American code ACI318 has been unblocked.
- RC Design: A value of self-weight for B20 concrete has been corrected.
- RC Design: Calculations of slab reinforcement for BAEL code have been corrected for calculation done according to DTU and Fascicule regulations.
- RC Design: Values of steel strength and concrete strength in descriptions of drawings have been fixed.
- Steel connections: A drawing of truss connection model for non-equal angles has been corrected.
- Steel connections: Calculations of an a1 parameter for bolted connection according to Polish code PN-90/B-03200 have been corrected.
- Steel connections: Calculations of anchorage capacity have been corrected.
- Steel connections: Method of anchorage verification for column base according to French code CM66 has been corrected.
- Steel connections: A value of concrete load capacity during column base calculation according to codes CM66, and PN-90/B-03200 has been corrected.
- Steel member design: Calculations of complex sections with battens made of database flat sections have been fixed.
- Timber Design: The dialog box for parameter definition has been fixed.

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