

Feature Summary

The following ESOP 5.5 Feature Summary provides an overview of the new functionality available in this release, as well as the features in two intermediate versions. More detailed descriptions can be found in the product help file.

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CHANGES IN SYSTEM

Version 5.0

ESOP for ROBOT Millennium

A new “ESOP for ROBOT™ Millennium” module is available for users who want to take advantage of the COM interface but are not familiar with programming. A toolbox containing the most typical operations allows for the creation of meta-command sequences instead of Visual Basic commands.

German Version of ESOP System Interface

A German version of the ESOP system is available; the modules run in English.

Completion of List of Modules Supported by the ANSYS Environment

List of the ESOP modules supported from the ANSYS® software level has been updated.

Total Protection of System and Modules

The total protection (SPS type) for system and modules (as a single file instead of two files).

Version 5.1

User Databases

You can now open databases from the user folder.

Installation for ANSYS 11.1 System

This release features integration of ESOP program and ANSYS 11.1 environment.

NEW MODULES

Version 5.0

Common Features

This release includes modules for the verification of cross-sections according to EC3 for the following types of analysis:

shear; bending; compression; tension; bending with axial force; bending with shear forces; bending with axial force and shear forces; complex loading state; and section class.

French Modules

Analysis according to EC5:

- Calculation engine for timber frame buildings
- Verification of a post for tension and bending
- Verification of post fixed to Purlin using the metal profile
- Verification of anchorage in the lower parts of walls
- Verification of bracing panel support C
- Verification of bracing panel support B
- Verification of bracing panel support A
- Verification of bracing panel support

Snow / wind loads according to EC1:

- Wind for symmetric roofs (4 planes)
- Wind for roofs
- Wind for roofs (1 plane)
- Snow for roofs (1 plane)

Version 5.1

Polish Modules

Modules for verification of sections with corrugated web - correction of gammaM factor
Improvements for module speed and stability

French Modules

Improvements and corrections for:

- Dalia module
- MOB modules

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