

OptiMode

Release Notes

Mode Solvers

OptiMode Version 5.3 for Microsoft Windows® 10 and 11 64-bit



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1 OptiMode 5.3

1.1 New Features and Enhancements

OptiFDTD Input plane redevelopment

The OptiFDTD product has undergone redevelopment of its input plane source. The interfaces between OptiMode and the OptiFDTD Designer and Simulator have been updated to support this redevelopment.

1.2 Minor Enhancements and Bug Fixes

Update to discretization library for FEM mode solver

The library used for the triangularization of structures for the FEM mode solver, Fade2D, has been updated to version 1.78. The algorithm has been optimized for computational efficiency, numerical results appear to be minimally affected.

Crash related to combined actions of renaming/deleting/undoing profiles (MODE-77)

When attempting to undo the deletion of a waveguide profile that had received a property change such as the profile name a crash could be triggered. The collision of event handling has been addressed.

Crash during "save modes" when using FD semivector and scripting/parameter sweep (MODE-88)

When attempting to save modes during a script or parameter sweep with the FD semivector solver a crash could be triggered. There was an error in the guard statements within the implementation allowing the crash state. These have been corrected and the functionality has been returned.