

VICTORY Cell

Release Notes

11/23/11

RELEASE NOTES

VERSION 1.15.3

NEW FEATURES

- SURFACE command for external textured surface import

VERSION 1.11.12

NEW FEATURES

- CARTESIAN.SPACING.ON|OFF flag added to OPTION command
- CARTESIAN.RATIO parameter added to OPTION command
- SPACING.ON|OFF flag added to CARTESIAN command
- RATIO parameter added to CARTESIAN command

ALTERATIONS AND ENHANCEMENTS

- Implement new algorithm improving Cartesian discretisation

VERSION 1.11.9

NEW FEATURES

- Include control logic to disable automatic synchronization of Cartesian and tetrahedral meshes
- Develop robust regular prismatic export. No doping is assigned, it is automatically enabled when 'option export.nosync' flag is used.

ALTERATIONS AND ENHANCEMENTS

- Add EXPORT.NOSYNC command to OPTION statement

VERSION 1.11.8

NEW FEATURES

- Set of processing commands to add defect shapes as a new layer in a GDS2 layout file
- Add CUT.X|Y parameters to EXPORT statement
- MESH statement defining refinement levels used by EXPORT command

ALTERATIONS AND ENHANCEMENTS

- Add export of a 2D cut plane
- Add refinement boxes and levels of refinement for tetrahedral device export

VERSION 1.11.3

ALTERATIONS AND ENHANCEMENTS

- Add reflective and translational boundary conditions for *Monte-Carlo* Implant
- Expand the IMPLANT statement by adding REFLECTIVE and TRANSLATIONAL parameters

VERSION 1.11.2

ALTERATIONS AND ENHANCEMENTS

- Add ability to perform backside *Monte-Carlo* ion implant

VERSION 1.11.0

ALTERATIONS AND ENHANCEMENTS

- Resolve an issue of proper placement and naming of electrodes in exported prismatic device structure

VERSION 1.7.4

ALTERATIONS AND ENHANCEMENTS

- Improve speed of *Monte-Carlo* Implant for high tilt angles
- Resolve issue involving proper Cartesian mesh re-initialization from saved history files
- Add a DOPING.ON|OFF switch to OPTION command to enable/disable doping

VERSION 1.7.3

ALTERATIONS AND ENHANCEMENTS

- Improve stability of Cartesian doping mesh synchronization
- Improve communication between Analytical implant and analytical module

VERSION 1.7.2

NEW FEATURES

- Allow coarsening of vertical discretisation during prismatic device export

ALTERATIONS AND ENHANCEMENTS

- Improve quality of prismatic export to device
- Add parameter REDUCED to EXPORT statement
- Add parameter COARSEN to EXPORT statement