# SYNOPSYS®

# Simpleware Software Release S-2021.06
## Highlights of New Features

## Faster Processing

Based on our customer feedback, we have improved the speed of the most commonly used tools, including:

- 10x – 100x speed up for centerlines statistics
- Up to 10x speed up for 2D slice contour visualization
- Up to 8x speed up for Morphological tools
- Simple 3D editing - now almost instant!

## Easier to Use

- New fiber analysis tools for better definition, inspection and characterization of fibers
- New 3D printing toolkit to create accurate and print-ready models
- New user-defined keyboard shortcuts can speed up common or repetitive workflows
- The Split regions tool has a new, simpler interface
- New background volume rendering includes new masking options so you can display only the regions of interest

## Overview

Version S-2021.06 significantly enhances Simpleware software's ease-of-use and reliability as a comprehensive solution for all your 3D image processing and analysis workflows.

## New Fiber Analysis

- New centerlines tools make creating disconnected centerlines for fiber structures even easier, with a new interface and options to work from masks or backgrounds
- Fiber orientation analysis allows you to:
  - Characterize density and orientation
  - Visualize vectors, plot charts, and share information with colleagues
- Fiber properties can also be assigned to Finite Element volume meshes

## 3D Printing Toolkit

- Generate accurate 3D print-ready models from image data and/or CAD objects
- Quickly and easily prepare your model using dedicated tools including cut, hollow, emboss text, and connectors
- The greyscale visualization tool applies a colormap to the surface of the 3D printed model representing the greyscale values from your image data
- Inspection tools allow color proofing (according to printers available) and a printability checker to help get the model right first time
- A series of specific and general surface formats are available to export your model seamlessly to your 3D printer

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