Release notes
PerGeos Software
Version 2020.1

3D data visualization and analysis

The aim of this document is to inform you about the most important new features, improvements and changes in this version of Thermo Scientific™ PerGeos Software.

Please read these Release Notes carefully.

We would appreciate your feedback regarding this version. If you encounter any problems or have any suggestions for improvement, please do not hesitate to contact us at FRBOR.3d_hotline@thermofisher.com.

Table of Contents

PerGeos Software: Enhancements and new features

New Look and Feel

With this release, we are introducing a new look and feel based on dark, contrasting visuals. The primary goal is to offer a more modern presentation scheme.

For those of you using other Thermo Scientific electron microscopy applications, the user experience will be improved, as the look and feel is consistent across software suites.

Support for 4K displays has also been greatly improved.

Operating systems

PerGeos Software version 2020.1 runs on:

- Microsoft Windows 8/10 (64-bit).
- Linux x86 64 (64-bit). Supported 64-bit architecture is Intel64/AMD64 architecture. Supported Linux distribution is Red Hat Enterprise Linux 7.

To add custom extensions with PerGeos XPand Extension, you will need:

- Microsoft Visual Studio 2013 (VC12) Update 4 on Windows
- gcc 4.8.x on Red Hat Enterprise Linux 7

Solved issues

Absolute Permeability Lattice Boltzmann	AA-22072	Microporous phase is not taken into account when computing Absolute Permeability Lattice Boltzmann. The tool documentation and user interface have been reworked to remove the Microporous phase misleading information.
Animation Director	AA-22331	Exported movie resolution could be poor during camera movements. Export is now done at the maximum possible resolution at all times.
Arithmetic	AA-20725	The result of the Arithmetic module was not correctly updated when re-applying the module on a Surface's data. This has been fixed.
Core Assembly Wizard	AA-21987	An explicit message is now displayed when trying to assemble unsupported image types.
Python	AA-21502	In order to avoid conflicts between different versions, the EDM configuration file used to configure the Python environment is now read from the local installation <INSTALLATION FOLDER>\python folder.

Recipe	AA-22163	2 Phases Watershed Segmentation recipe no longer saves every single intermediate result by default.
Volume Rendering	AA-15265	Due to a limitation of the graphics card driver, Volume Rendering display issues could occur with GeForce GTX cards when setting Video Memory Amount to more than 4 GB. In order to prevent display issues, the Video Memory Amount is now limited to 4 GB for this type of card.

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