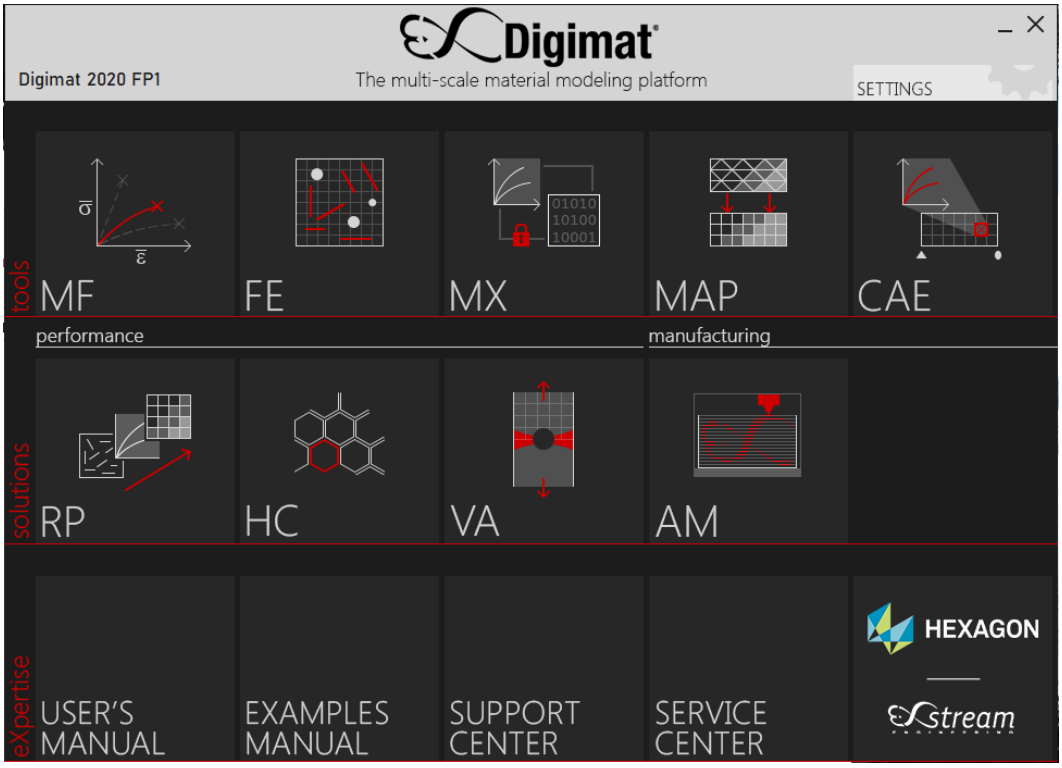
Digimat 2020 Feature Pack 1 – August 2020



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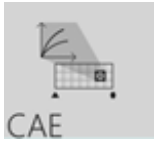

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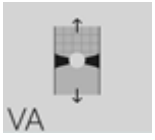

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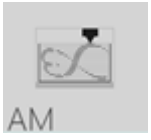

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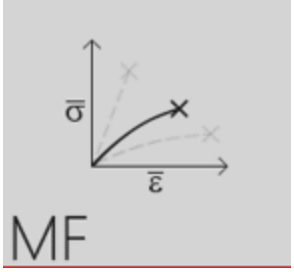
Licensing and installation

- Digimat 2020 Feature Pack 1 configuration in scripts or command line usage requires the definition of two environment variables:
    - DIGIMAT_BIN_20201: points to installation directory
    - MSC_LICENSE_FILE: point to license file or license server

  More details on the configuration is available in the Digimat documentation.

- Since Digimat 2019.1, Digimat requires an updated MSC Licensing server, MSC Licensing Helium, which is available from the MSC Software Download Center. Previous license files do not require an update. If this updated in the scope of Digimat 2019.1 installation, you don't need to repeat this operation.

- For Digimat-CAE/LS-DYNA user, a new procedure to build executables under Windows must be achieved. Details are described in Digimat documentation (installation section).



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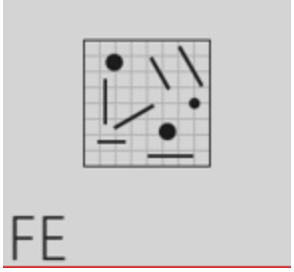
New Capabilities

- **None for this release**

Improvements

- **Consolidation of multi-component 3D failure indicator**



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New Capabilities

- **None for this release**

Improvements

- **Electrical analysis of woven with Abaqus solver is now supported**
- **Consolidation of STL geometry import**
  - Mesh of imported geometry

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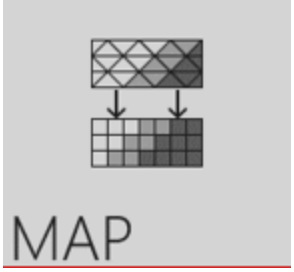
New Capabilities

- **None for this release**



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New Capabilities

- **Support of Eiger (Markforged) toolpath encrypted file format**
  - Encryption available on request to Markforged

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New Capabilities

- **None for this release**

Improvements

- **Corrected SFRP failure indicator output in MSC Nastran SOL400**

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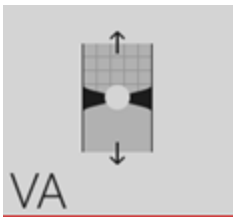
New Capabilities

- **Support of Eiger (Markforged) toolpath encrypted file format**
  - Encryption available on request to Markforged
- **Updated solver for Digimat-RP/Moldex3D solver**
  - Upgrade from Moldex3D R16.2 to R16.3

Improvements

- **Corrected shell thickness for Nastran mesh mapping**
- **Corrected orientation tensor for Ansys macro coupling**



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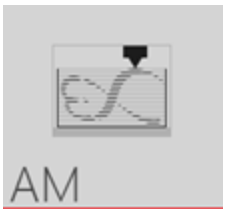
New Capabilities

- **None for this release**



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New capabilities

- **Support of Eiger (Markforged) toolpath encrypted file format**
  - Encryption available on request to Markforged

Improvements

- **Loading of crystallinity model is now supported**

- **Consolidation of meshing symmetry**
  - For single part print only

Notes

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The Material Modeling Company

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