

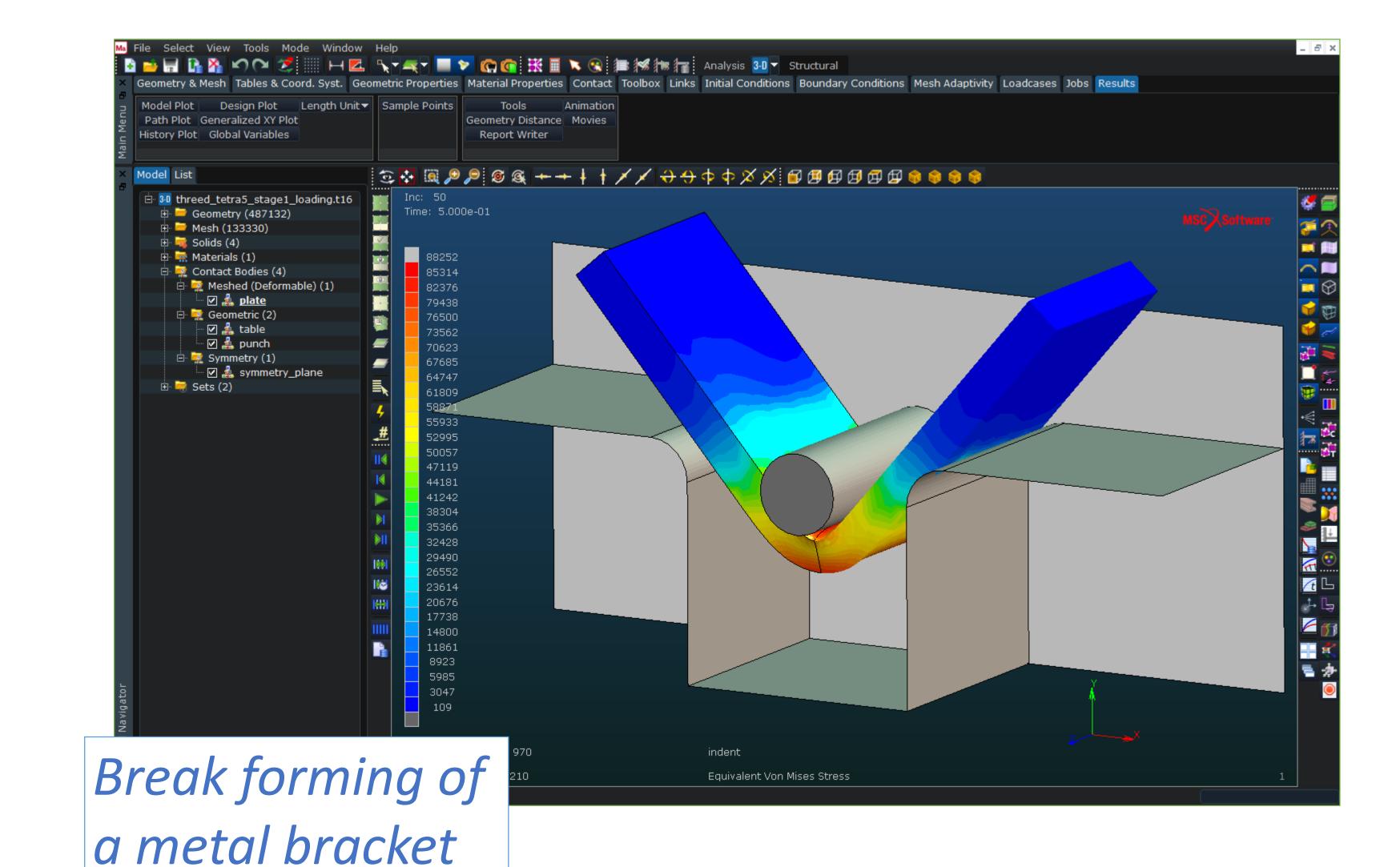


project 16010

MSC Marc supports VMAP v.0.5.1

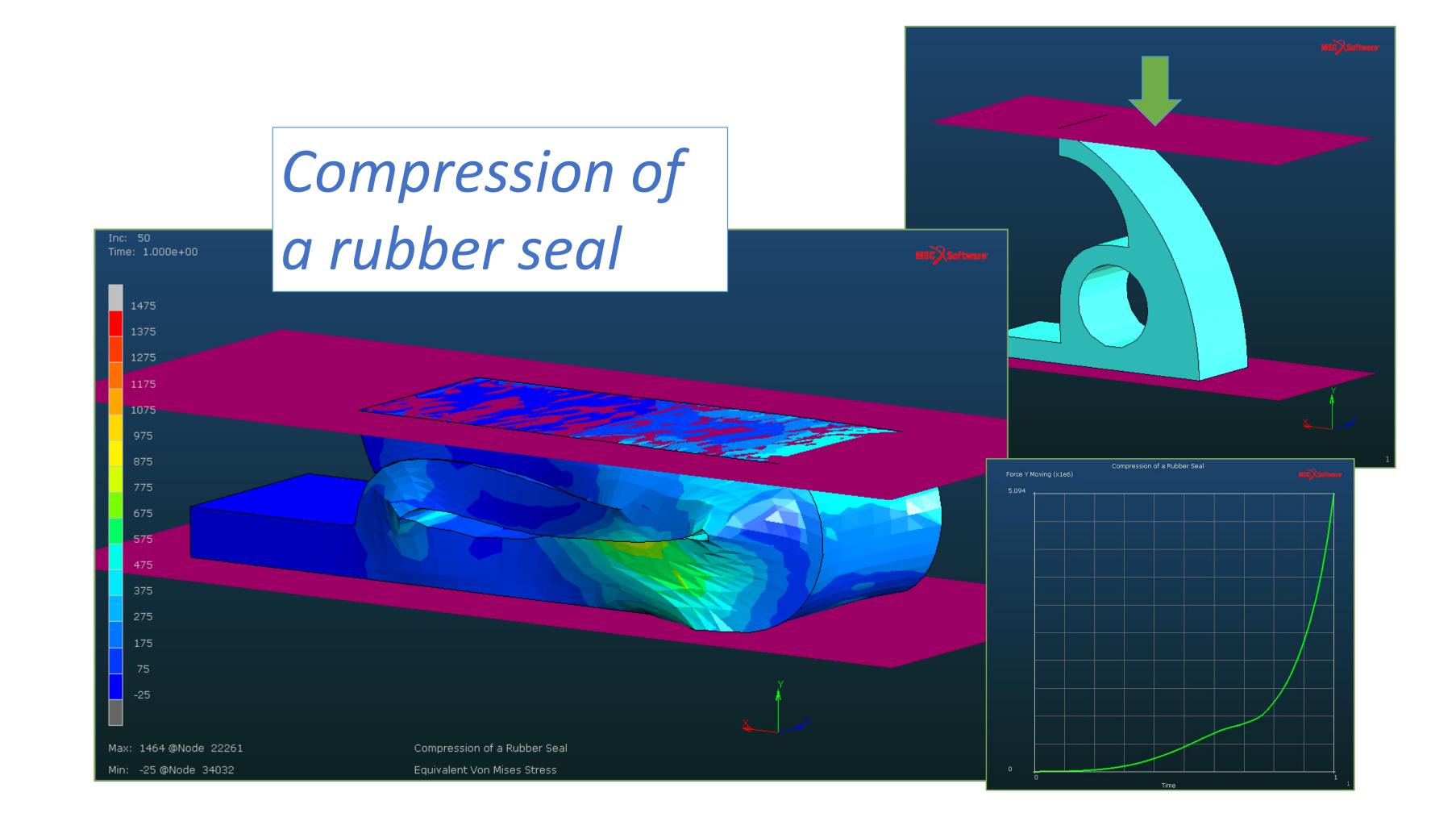


 General purpose nonlinear finite element solver



- Material, geometric and boundary condition nonlinearities, incl. contact
- Global adaptive meshing
- Multiphysics
- VMAP-to-Marc and Marc-to-VMAP wrappers convert to and from an internal Marc format

VMAP features supported:



- Solid, shell and planar element types
- Nodal and integration point state variables
- Structural and thermal analyses
- Multiple parts

VMAP wrappers are not tied to a specific release and support all recent Marc versions

| HDFView 3.1.1 | | | | _ | | × |
|---|---|--|-----------|---------|-----------|-----------|
| File Window Tools Help | | | | | | |
| 🖻 🗂 🔌 🖪 🗓 | | | | | | |
| Recent Files D:\vmap\threed_tetra5_stage1 | l.vmap | | | | ~ Clea | r Text |
| ✓ S threed_tetra5_stage1.vmap | Object Attribute Info General Ob | isct Info | | | | ~ |
| VMAP | object / tallbate into delletal ot | | | | | |
| | Attribute Creation Order: | Creation Order NOT Tracked | | | | |
| | Number of attributes = 12 | | | | | |
| V 🙀 ELEMENTS | Number of attributes = 12 | Add | Attribute | Delete | Attribute | e |
| | Name | Туре | Arra | ay Size | Value[50 | 0] |
| MYCOORDINATES | NATES MYCOORDINATESYSTEM 32-bit integer | | Sca | lar | 1 | |
| MYIDENTIFIERS | MYDIMENSION | 32-bit integer | Sca | lar | 1 | |
| MATERIAL | MYENTITY | 32-bit integer | Sca | lar | 1 | |
| ∽ 🗑 SYSTEM | MYIDENTIFIER | 32-bit integer | Sca | lar | 6 | |
| | MYINCREMENTVALUE | 32-bit integer | Sca | lar | 0 | |
| ELEMENTTYPES | MYLOCATION | 32-bit integer | Sca | | 4 | |
| INTEGRATION TYPES METADATA | MYMULTIPLICITY | 32-bit integer | Sca | | 1 | |
| | MYTIMEVALUE | 64-bit floating-point | Sca | | 0.0 | |
| ✓ | MYUNIT | 32-bit integer | Sca | | 0 | |
| V 🗑 STATE-1 | MYVARIABLEDEPENDENCY | String, length = 31, padding = H5T_STR_NULLTERM, cset = H5T_CSET_U | | | | _ |
| v 🗑 1 | MYVARIABLEDESCRIPTION | String, length = 31, padding = H5T_STR_NULLTERM, cset = H5T_CSET_U | | | total_eq | |
|) 🤤 DISPLACEMENT | MYVARIABLENAME | String, length = 25, padding = H5T_STR_NULLTERM, cset = H5T_CSET_U | UTF8 Sca | lar | STRAIN_ | PI |
| > 🛀 STRAIN_ELASTIC | | | | | | _ |
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| STRAIN_ENERGY_TOTAL | | | | | | _ |
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VMAP file of metal bracket

www.mscsoftware.com

Join VMAP Standards Community

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