

# SIMULIA Thermal Analysis (ATH) / Non-Linear Structural Analysis (ANL)

---

## Contents

1	SIMULIA Open Source and Commercial Program Content .....	2
1.1	Open Source and free programs.....	2
1.2	Commercial programs.....	2
1.3	Third party content of SIMULIA products.....	3
2	SIMULIA – Thermal Analysis Product V5R19SP3, and SIMULIA – Nonlinear Structural Analysis Product V5R19SP3 .....	4
3	SIMULIA – Thermal Analysis Product V5R20 and SIMULIA – Nonlinear Structural Analysis Product V5R20.....	5

# 1 SIMULIA Open Source and Commercial Program Content

Starting with the Abaqus 6.11 release and the Isight 5.5 release this information now appears in the product content.

**Abaqus:** in the Abaqus Installation and Licensing Guide legal section

**Isight/SEE:** in the installed product at "C:\SIMULIA\Isight\\docs\Third\_Party\_Products.pdf"

*This information will also be found in the documentation of new releases of other SIMULIA products.*

Many of the SIMULIA products include third party software, either as open source or free programs ("OS Programs") or as commercial programs. Together these are referred to as "third party" content of the SIMULIA products and are identified in these web pages.

## 1.1 Open Source and free programs

Each OS Program is available for use under a license that may be found by clicking the Release of the OS Program in the applicable web page. While users should consult the specific license applicable to each OS Program, generally these licenses provide permission to any person obtaining a copy of the OS Program to deal in the OS Program without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the OS Program and to permit persons to whom the OS Program is furnished to do so. Some of the licenses for the OS Programs listed below impose additional restrictions on use or modification and require that source code be made available. Each license includes substantially the following conditions and in some cases additional or different terms:

The copyright notice associated with each OS Program (as listed in the program license) and the above permission notice (or other applicable restrictions indicated in each license) shall be included in all copies or substantial portions of such OS Program.

EACH OS PROGRAM IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, BY ANY CONTRIBUTOR TO THE DEVELOPMENT OF SUCH OS PROGRAM, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

NO CONTRIBUTOR TO THE DEVELOPMENT OF ANY OS PROGRAM SHALL BE LIABLE TO ANY USER OF ANY OS PROGRAM FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS (INCLUDING BUT NOT LIMITED TO PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS, OR BUSINESS INTERRUPTION) AS A RESULT OF USING, MODIFYING, OR DISTRIBUTING THE OS PROGRAM OR ANY DERIVATIVE THEREOF EVEN IF ADVISED OF THE POSSIBILITY THEREOF, HOWEVER CAUSED AND ON ANY THEORY OF STRICT LIABILITY OR TORT.

## 1.2 Commercial programs

Each commercial program included in a SIMULIA product has been obtained through a commercial license that permits redistribution of that program in one or more SIMULIA products. In some cases these licenses require that users be informed of copyrights and / or license conditions. In those cases this information is provided in the applicable pages associated with the SIMULIA Product name and / or Release.

### 1.3 Third party content of SIMULIA products

The following SIMULIA products include one or more open source or free programs and / or commercial programs. Click on the product Release (below) to go to the page for that product release to review the specific information for OS programs and commercial programs included in that product.

SIMULIA Product	Release	
Thermal Analysis (ATH) / Non-Linear Structural Analysis (ANL)	<a href="#">V5R19</a>	<a href="#">V5R20</a>

## 2 SIMULIA – Thermal Analysis Product V5R19SP3, and SIMULIA – Nonlinear Structural Analysis Product V5R19SP3

### Other third party software – non-executable

Included on the media with the SIMULIA Thermal Analysis and Nonlinear Structural Analysis Product Programs are certain open source programs. These are not accessible and cannot be executed with the above SIMULIA Products. These open source programs are not part of the SIMULIA Thermal Analysis and Nonlinear Structural Analysis Product Programs and are NOT warranted or supported by Dassault Systèmes Simulia Corp.

The following notice is provided only to meet Dassault Systèmes Simulia Corp.'s license requirements to allow distribution of this open source software:

Software Name	Release
<a href="#">LAPACK</a>	3.2

### LAPACK - Release 3.2

Copyright (c) 1992-2007 The University of Tennessee. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer listed in this license in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For more information on the contributors to LAPACK 3.2, please visit:  
[http://www.netlib.org/lapack/lapack-3.2.html# 4 external contributors](http://www.netlib.org/lapack/lapack-3.2.html#_4_external_contributors)

### 3 SIMULIA – Thermal Analysis Product V5R20 and SIMULIA – Nonlinear Structural Analysis Product V5R20

#### Other third party software – non-executable

Included on the media with the SIMULIA Thermal Analysis and Nonlinear Structural Analysis Product Programs are certain open source programs. These are not accessible and cannot be executed with the above SIMULIA Products. These open source programs are not part of the SIMULIA Thermal Analysis and Nonlinear Structural Analysis Product Programs and are NOT warranted or supported by Dassault Systèmes Simulia Corp.

The following notice is provided only to meet Dassault Systèmes Simulia Corp.'s license requirements to allow distribution of this open source software:

Software Name	Release
<a href="#">LAPACK</a>	3.2

#### LAPACK - Release 3.2

Copyright (c) 1992-2007 The University of Tennessee. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer listed in this license in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For more information on the contributors to LAPACK 3.2, please visit:  
[http://www.netlib.org/lapack/lapack-3.2.html# 4 external contributors](http://www.netlib.org/lapack/lapack-3.2.html#_4_external_contributors)