

Easy 2018 Release Notes

Installing

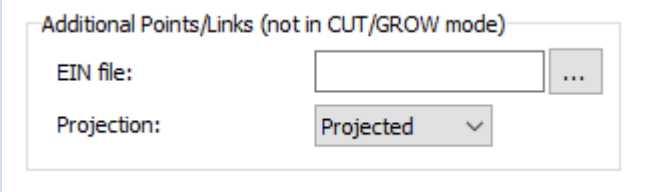
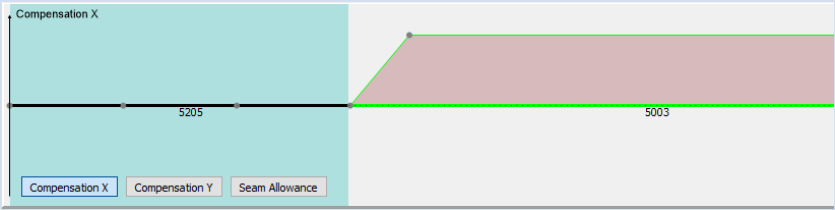

- Please note that installing Easy Release 2018 will not overwrite an older (2017, 2016, ...) existing installation of Easy. You can use Easy 2018 and an older release of Easy on the same computer.
- Easy Release 2018 requires a new password!
- Easy 2018 is not downward compatible (with Easy 2018 you should not open Easy 2017, 2016, ... projects). See Easy – General remarks.

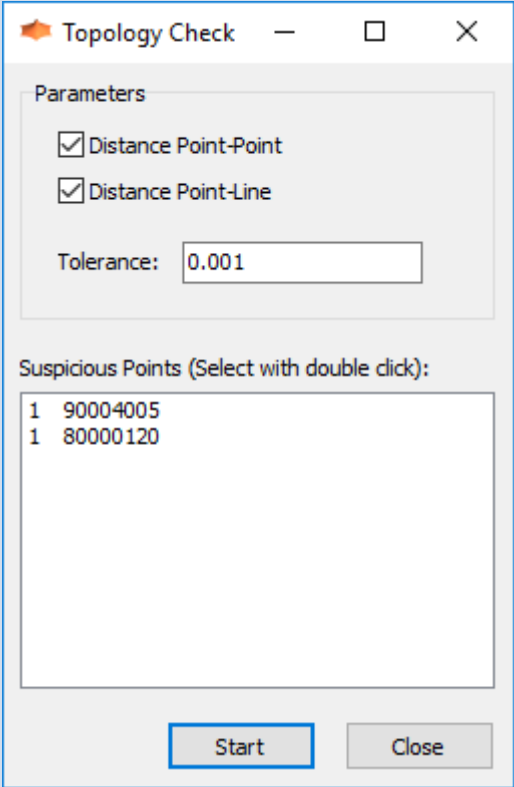
Known Issues

This list covers some of the known problems with Easy 2018. Please read this before reporting any new bugs. There are no known issues at the moment.

What's new in Easy Release 2018?

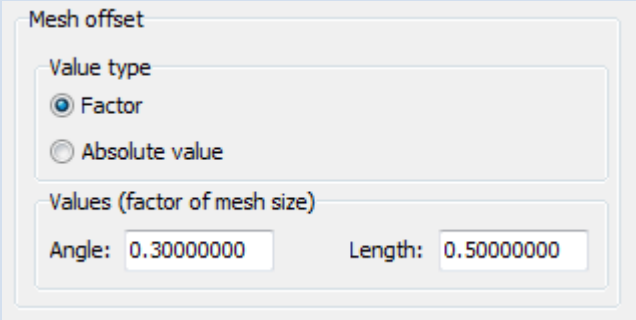
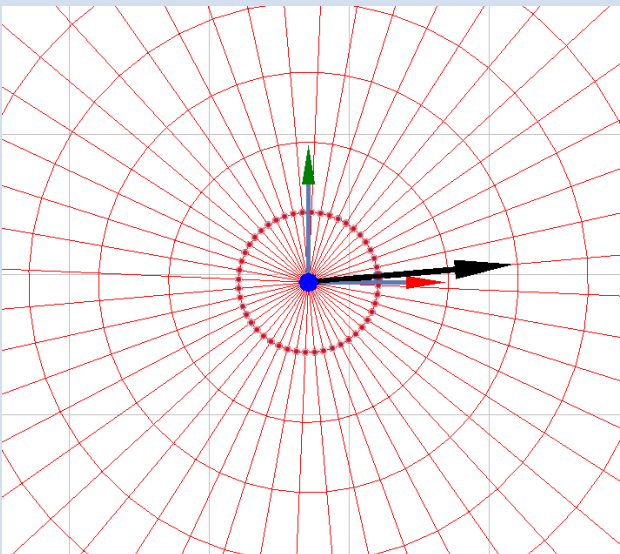
Easy – General remarks		
All modules	Easy 2018	<p>We simplified the module Statical Analysis and Volume Statical Analysis by eliminating the menu item “Static mode”. This means we do not distinguish between “Static Analysis” and “Static Analysis – extended”.</p> <p>Because of the union of the general and the extended statical analysis, it is not possible to continue old projects (2017, 2016, ...) without adapting the startup files. We advice you to finish old projects with a previous release (2017, 2016, ...) of Easy.</p>

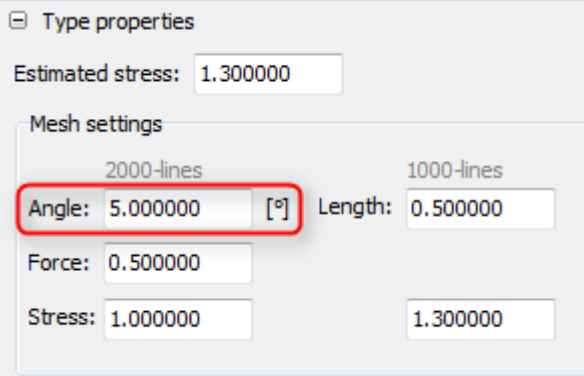
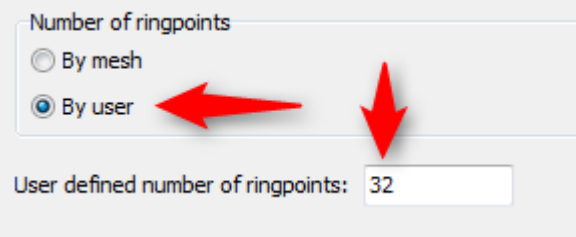
Graphical Editors		
Module	Type	Description
Tailor	New	<p>Additional points and links from an EIN file can be added to the patterns automatically.</p> <p>Precalculation:</p> 
Tailor	New	<p>Compensation and seam allowance graph revised:</p> 
Tailor	New	<p>Dxf export: Optional export of warp directions as lines:</p> 

GED	New	<p>Select/Topology Check: Searches for point with short distances to other points and link. To be used to find topology problems:</p> 
GED	New	<p>Edit/Options/Use selection dialog when objects are overlapping: Enables/disables the selection dialog at the selection.</p>
GED	New	<p>Stressvu: Visualization of equivalent stress</p>
GED	New	<p>Stressvu: "Ignore T -elements" also affects the calculation of shear/principal/equivalent stress</p>

Strip	New	<p>Kink point in geodesic lines:</p>
Beam Editor	New	<p>Visualization of beam link joints as spheres:</p>
Beam Editor	New	<p>RSTAB: Export of joints:</p>

<p>Beam Editor</p>	<p>New</p>	<p>RSTAB: Import of joints/fixities:</p>
<p>Beam Editor</p>	<p>New</p>	<p>Dataexchange with SCIA Engineer via XML:</p>

FormEdit	Enhancement	For the calculation of the initial values for a volume formfinding we are now always using a mechanical formfinding calculation. This better in case there is a big difference between zusn.ein and the mechanically stressed formfinding result.
FormEdit	Enhancement	If a cone was defined in FormEdit and no struts were combined with this cone then the cone did not exist after the calculation in EasyShell. The calculation (cone) was existing if calculated in FormEdit.
FormEdit	Bug fix	<p>Mesh offset for radial nets:</p>  <p>The value type "Factor" did not work properly</p>
FormEdit	Bug fix	<p>The direction of the first radial "thread" (black vector) works now properly:</p> 

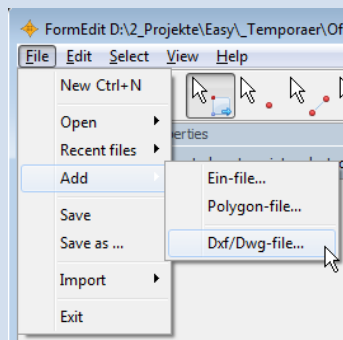
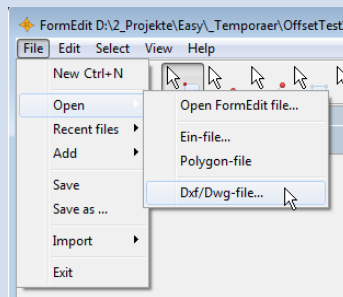
<p>FormEdit</p>	<p>Enhancement</p>	<p>We changed the default value for the 2000-lines in case of radial nets from 7.5° to 5.0°</p> 
<p>FormEdit</p>	<p>Enhancement</p>	<p>We changed the default value for “Number of ringpoints” and the “User defined number of ringpoints” in case of radial nets.</p> <p>Number of ringpoints Old value: By mesh New value: By user</p> <p>User defined number of ringpoints Old value: 16 New value: 32</p> 

FormEdit

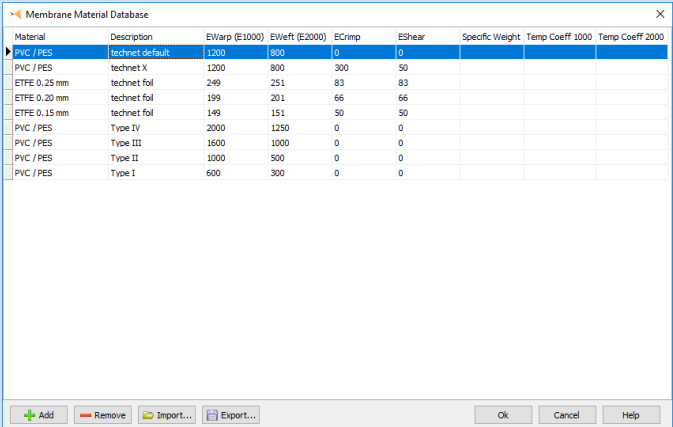
New

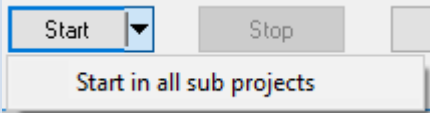
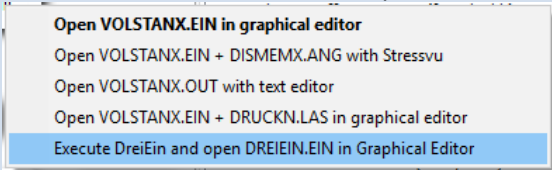
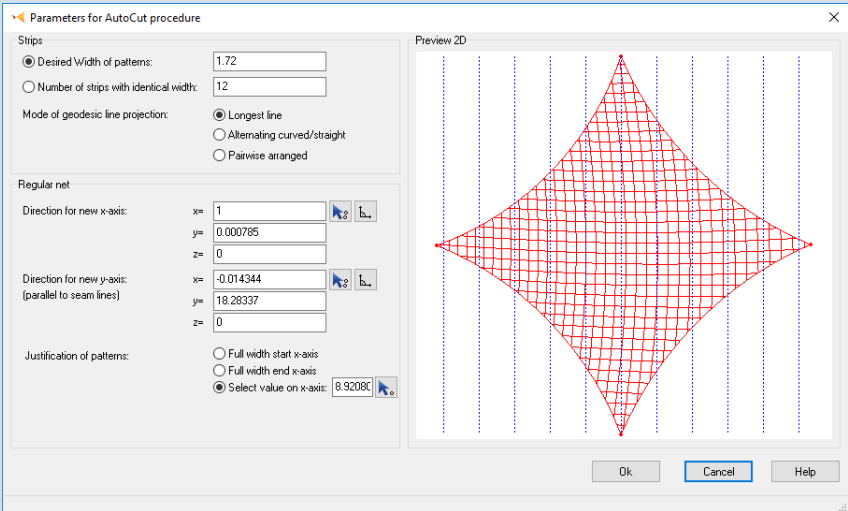
Open and/or Add Dwg/Dxf files in FormEdit:

The files can be used as background files as it worked already for ein files. The dwg/dxf cannot be manipulated and saved in FormEdit. In order to save/manipulate dwg/dxf files GED has to be used.



Easy Shell

Module	Type	Description
Shell	New	<p>Union of the general and the extended statical analysis.: We simplified the module Statical Analysis and Volume Statical Analysis by eliminating the Button “Static mode”. This means we do not distinguish between “Static Analysis” and “Static analysis – extended”. The menu item “Static Mode” is removed.</p>
Shell	New	<p>The Easy user has to define the material properties of the membrane by Apply materials (right mouse click) on button “Formfinding data”. This implies that the material properties are already defined in the membrane material data base.</p> <p>technet offers membrane material default values within the file defmem.xml in the Easy installation folder.</p>  <p>The Easy user should define his own data base with real values. In general we define 4 values: EWarp, EWeft, ECrimp and EShear with the units [force/width]. In case that ECrimp and EShear are both zero it works as the non-extended mode in Easy 2017.</p> <p>The programs Emodul, Dismem, Materi, Statik and Volstan are reading in all cases a MTM-file.</p>

Shell	New	New keyword WAITFOR in batch jobs: The batch jobs starts an exe, bat, cmd file and waits until this process has finished (example: WAITFOR EasyTailor.exe –eSTComp.ein –bTest.dxf).
Shell	New	Batch jobs can be executed in all sub folders of the current project. This feature is hidden in the drop down menu of the “Start” button: 
Shell	New	Volume Statical Analysis: New context menu item for the “Result” buttons: “Execute DreiEin and open DREIEIN.EIN in Graphical Editor” 
Shell	New	AutoCut: Dialog “Parameters for AutoCut procedure” extended by a preview graphic with pickers for axis: 

Calculation programs		
Module	Type	Description
Emodul, Dismem, Materi, Statik, Volstan	New	<p>In case that ECrimp and EShear are both zero it works as the non-extended mode in Easy 2017.</p> <p>The programs Emodul, Dismem, Materi, Statik and Volstan are reading in all cases a MTM-file.</p>

System Requirements

Operating systems

- Windows 10 (current service pack) 64-bit
- Windows 8.1 (current service pack) 64-bit
- Windows 8 (current service pack) 64-bit
- Windows 7 (current service pack) 64-bit

Minimum Hardware

- A graphic card with an OpenGL accelerator is strongly recommended.