

In these tutorials export of the results will be shown.

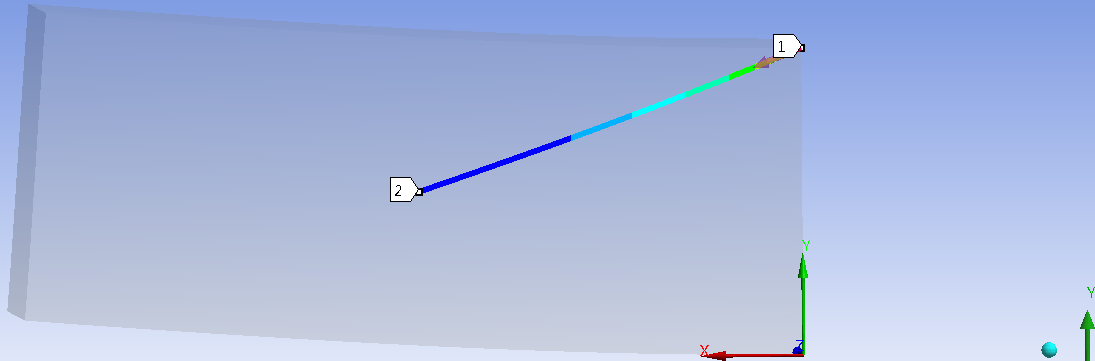
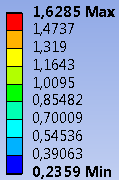
Workbench 13.0

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Outline

- Project
  - Model (A4)
    - Geometry
      - Construction Geometry
        - Path
- Static Structural (A5)
  - Analysis Settings
  - Fixed Support
  - Force
- Solution (A6)
  - Solution Information
  - Linearized Equivalent Stress

**A: Static Structural**  
Linearized Equivalent Stress  
Type: Linearized Equivalent Stress  
Unit: MPa  
Global Coordinate System  
Time: 1  
30-11-2011 14:03



Details of "Linearized Equivalent Stress"

**Scope**

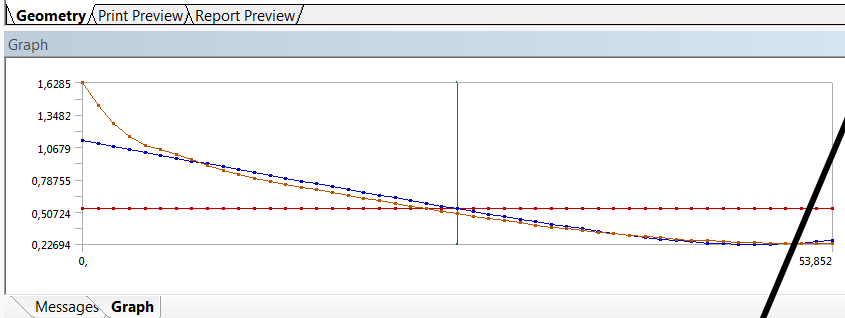
Scoping Method	Path
Path	Path
Geometry	All Bodies

**Definition**

Type	Linearized Equivalent Stress
Subtype	All
By	Time
Display Time	Last
Coordinate System	Global Coordinate System
2D Behavior	Planar

**Results**

<input type="checkbox"/> Membrane	0,53621 MPa
<input type="checkbox"/> Bending (Inside)	0,61444 MPa
<input type="checkbox"/> Bending (Outside)	0,61444 MPa
<input type="checkbox"/> Membrane+Bending (Inside)	1,1234 MPa
<input type="checkbox"/> Membrane+Bending (Center)	0,53621 MPa
<input type="checkbox"/> Membrane+Bending (Outside)	0,26085 MPa
<input type="checkbox"/> Peak (Inside)	0,87393 MPa
<input type="checkbox"/> Peak (Center)	5,4587e-002 MPa



Tabular Data

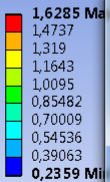
Length [mm]	Membrane [MPa]	Bending [MPa]	Membrane+Bending [MPa]
35	0,53621	0,25602	0,32297
36	0,53621	0,28162	0,30529
37	0,53621	0,30722	0,28879
38	0,53621	0,33282	0,2737
39	0,53621	0,35842	0,26025
40	0,53621	0,38402	0,24872
41	0,53621	0,40963	0,23939
42	0,53621	0,43523	0,23251
43	0,53621	0,46083	0,22831
44	0,53621	0,48643	0,22604

Right click on the Tabular data menu and click Export.

**Outline**

- Project
  - Model (A4)
    - Geometry
    - Construction Geometry
    - Path
    - Coordinate Systems
    - Mesh
    - Static Structural (A5)
      - Analysis Settings
      - Fixed Support
      - Force
    - Solution (A6)
      - Solution Information
      - Linearized Equivalent Stress

**A: Static Structural**  
Linearized Equivalent Stress  
Type: Linearized Equivalent Stress  
Unit: MPa  
Global Coordinate System  
Time: 1  
30-11-2011 14:03



**Gem som**

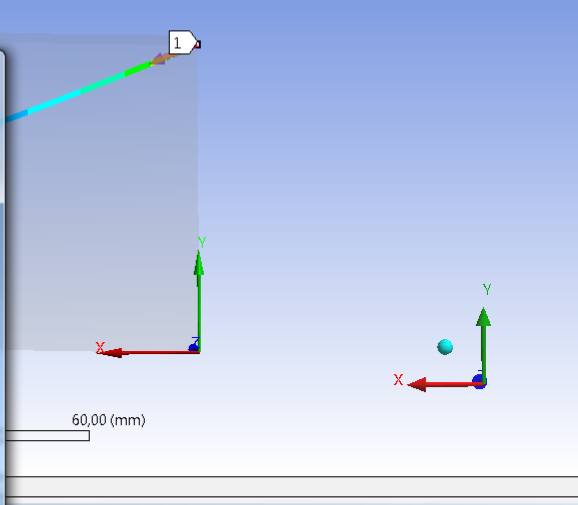
Gem i: winx64

Navn	Ændringsdato
de	11-08-2011 15:29
fr	11-08-2011 15:29
it	11-08-2011 15:29
ja	11-08-2011 15:29

Seneste steder  
Skrivebord  
Biblioteker  
Computer  
Netværk

Filnavn: ex1  
Filtype: Text File (\*.txt)

Gem Annuller



**Details of "Linearized Equivalent Stress"**

**Scope**

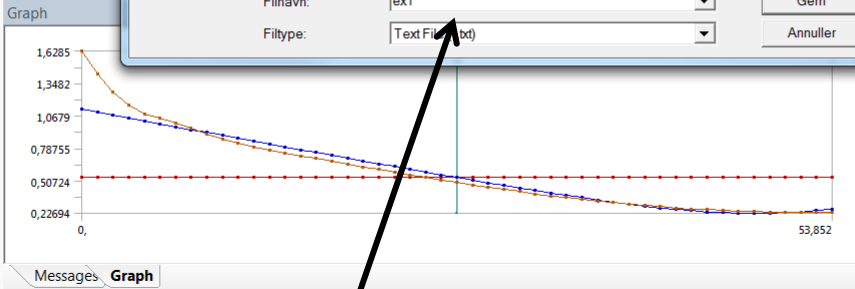
Scoping Method	Path
Path	Path
Geometry	All Bodies

**Definition**

Type	Linearized Equivalent Stress
Subtype	All
By	Time
Display Time	Last
Coordinate System	Global Coordinate System
2D Behavior	Planar

**Results**

Membrane	0.53621 MPa
Bending (Inside)	0.61444 MPa
Bending (Outside)	0.61444 MPa
Membrane+Bending (Inside)	1.1234 MPa
Membrane+Bending (Center)	0.53621 MPa
Membrane+Bending (Outside)	0.26085 MPa
Peak (Inside)	0.87393 MPa
Peak (Center)	5.4587e-002 MPa



**Tabular Data**

Length [mm]	Membrane [MPa]	Bending [MPa]	Membrane+Bending [MPa]
35	0,53621	0,25602	0,32297
36	0,53621	0,28162	0,30529
37	0,53621	0,30722	0,28879
38	0,53621	0,33282	0,2737
39	0,53621	0,35842	0,26025
40	0,53621	0,38402	0,24872
41	0,53621	0,40963	0,23939
42	0,53621	0,43523	0,23251
43	0,53621	0,46083	0,22831
44	0,53621	0,48643	0,22604

Save the file

File Edit View Units Tools Help | Solve | Worksheet

Show Vertices Wireframe Edge Coloring Thicken Annotations

Result 4.9e+003 (Auto S) | Probe

Outline

- Project
  - Model (A4)
    - Geometry
    - Construction Geometry
    - Path
    - Coordinate Systems
    - Mesh
  - Static Structural (A5)
    - Analysis Settings
    - Fixed Support
    - Force
  - Solution (A6)
    - Solution Information
    - Linearized Equivalent Stress

**A: Static Structural**  
 Linearized Equivalent Stress  
 Type: Linearized Equivalent Stress  
 Unit: MPa  
 Global Coordinate System  
 Time: 1  
 30-11-2011 14:05

1,6285 Max  
 1,4737  
 1,319  
 1,1643  
 1,0095  
 0,85482  
 0,70009  
 0,54536  
 0,39063  
 0,2359 Min

Details of "Linearized Equivalent Stress"

Scope

Scoping Method	Path
Path	Path
Geometry	All Bodies

Definition

Type	Linearized Equivalent Stress
Subtype	All
By	Time
Display Time	Last
Coordinate System	Global Coordinate System
2D Behavior	Planar

Results

- Membrane 0.53621 MPa
- Bending (Inside) 0.61444 MPa
- Bending (Outside) 0.14444 MPa
- Membrane+B... 1.1234 MPa
- Membrane+B... 0.53621 MPa
- Membrane+B... 0.26085 MPa
- Peak (Inside) 0.87393 MPa
- Peak (Center) 5.4587e-002 MPa

Graph

Messages Graph

No Messages No Selection Metric (mm, kg, N, s, mV, mA) Degrees rad/s Celsius

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ex1 - Notesblok

	Length [mm]	Membrane [MPa]	Bending [MPa]	Membrane+Bending [MPa]	Peak [MPa]	
Total [MPa]						
1	0	0,53621	0,61444	1,1234	0,87393	1,6285
2	1,1219	0,53621	0,58884	1,0984	0,85714	1,4322
3	2,2438	0,53621	0,56324	1,0733	0,84035	1,2752
4	3,3657	0,53621	0,53763	1,0483	0,82357	1,1594
5	4,4876	0,53621	0,51203	1,0233	0,80679	1,0846
6	5,6095	0,53621	0,48643	0,99839	0,79002	1,0482
7	6,7315	0,53621	0,46083	0,97348	0,77325	1,0086
8	7,8534	0,53621	0,43523	0,9486	0,75649	0,959
9	8,9753	0,53621	0,40963	0,92376	0,73974	0,91265
10	10,097	0,53621	0,38402	0,89896	0,72299	0,86945
11	11,219	0,53621	0,35842	0,87422	0,70625	0,82931
12	12,341	0,53621	0,33282	0,84952	0,68952	0,7965
13	13,463	0,53621	0,30722	0,82488	0,6728	0,77295
14	14,585	0,53621	0,28162	0,80029	0,65609	0,74766
15	15,707	0,53621	0,25602	0,77578	0,63939	0,72324
16	16,829	0,53621	0,23041	0,75133	0,6227	0,69971
17	17,951	0,53621	0,20481	0,72697	0,60602	0,67711
18	19,072	0,53621	0,17921	0,70269	0,58935	0,65229
19	20,194	0,53621	0,15361	0,67851	0,5727	0,62802
20	21,316	0,53621	0,12801	0,65444	0,55606	0,60433
21	22,438	0,53621	0,10241	0,63049	0,53944	0,58126
22	23,56	0,53621	7,6805e-002	0,60667	0,52284	0,55882
23	24,682	0,53621	1,1203e-002	0,58301	0,50626	0,53654
24	25,804	0,53621	2,25602e-002	0,55951	0,4897	0,51478
25	26,926	0,53621	2,35684e-016	0,53621	0,47316	0,49385
26	28,048	0,53621	2,55602e-002	0,51313	0,45665	0,47289
27	29,17	0,53621	5,1103e-002	0,4903	0,44018	0,45272
28	30,292	0,53621	7,6805e-002	0,46776	0,42373	0,43308
29	31,413	0,53621	0,10241	0,44554	0,40733	0,41377
30	32,535	0,53621	0,12801	0,42371	0,39096	0,39539
31	33,657	0,53621	0,15361	0,40233	0,37465	0,37799
32	34,779	0,53621	0,17921	0,38146	0,35839	0,36162
33	35,901	0,53621	0,20481	0,3612	0,34219	0,34632
34	37,023	0,53621	0,23041	0,34166	0,32606	0,33188
35	38,145	0,53621	0,25602	0,32297	0,31002	0,31863
36	39,267	0,53621	0,28162	0,30529	0,29407	0,30662
37	40,389	0,53621	0,30722	0,28879	0,27824	0,29588

The file. The file can be imported to MS Excel.