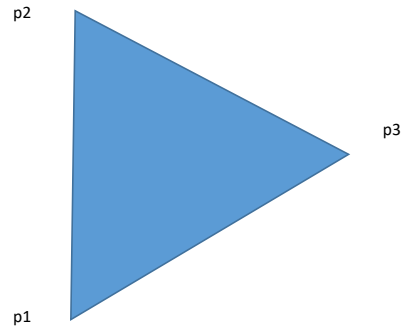


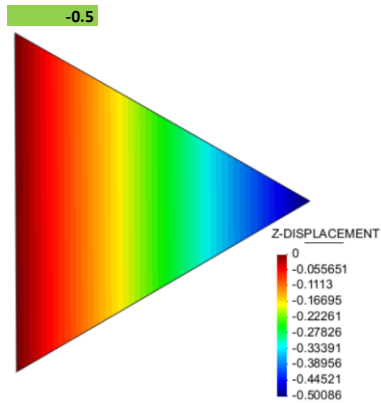
Problem setup.  
Clamped along left edge, surface pressure



Node order 1: p3, p2, p1

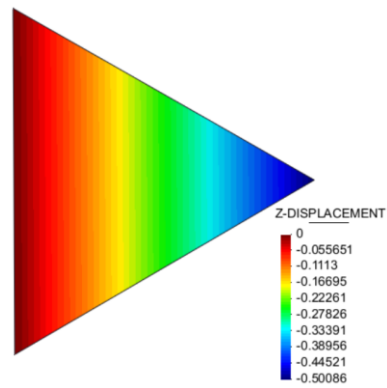
Smoothed DSG

Z-disp =



Original DSG

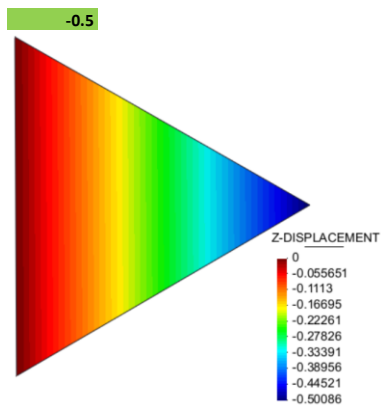
Z-disp =



Node order 2: p2, p1, p3

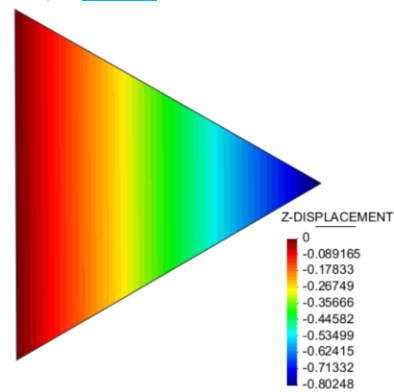
Smoothed DSG

Z-disp =



Original DSG

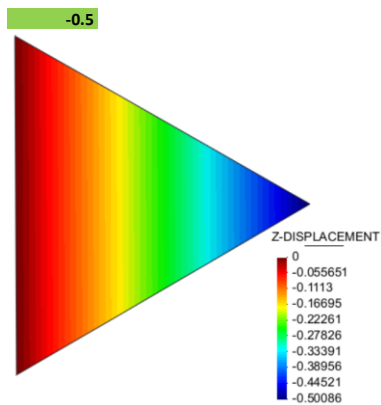
Z-disp =



Node order 3: p1, p3, p2

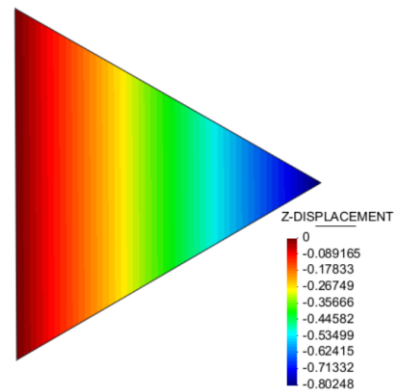
Smoothed DSG

Z-disp =



Original DSG

Z-disp =



### Scordelis Lo Roof structured mesh

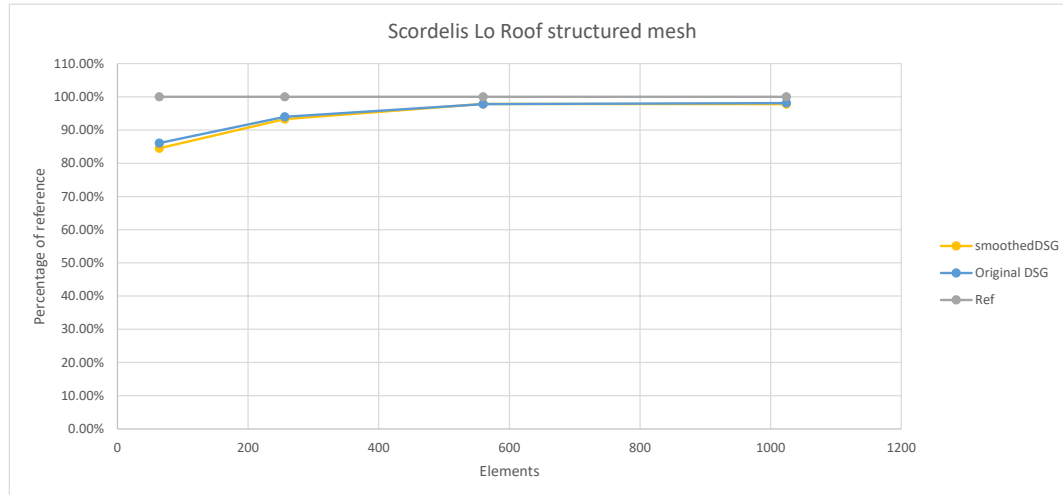
All done with corotated formulation

Reference solution

-0.3024

Percentage of reference

Refinement level	Nodes	Elements	Original DSG	smoothe dDSG		Ref	Original DSG	smoothe dDSG		Ref
1		64	-0.26	-0.26		-0.30	86.07%	84.51%		1.00
2		256	-0.28	-0.28		-0.30	93.96%	93.26%		1.00
2.5		560	-0.30	-0.30		-0.30	97.78%	97.85%		1.00
3		1024	-0.30	-0.30		-0.30	98.11%	97.78%		1.00



### Pinched Hemisphere

All done with corotated formulation

Reference solution

0.0924

Percentage of reference

Refinement level	Nodes	Elements	Original DSG	smoothedDSG		Ref	Original DSG	smoothedDSG		Ref
1		64	0.0887	0.0940		0.0924	96.03%	101.76%		100.00%
2		256	0.0905	0.0924		0.0924	97.96%	100.02%		100.00%
3		1024	0.0906	0.0913		0.0924	98.08%	98.76%		100.00%
4		1600	0.0898	0.0902		0.0924	97.17%	97.65%		100.00%

