

Figure S1. Mesh convergence analysis.

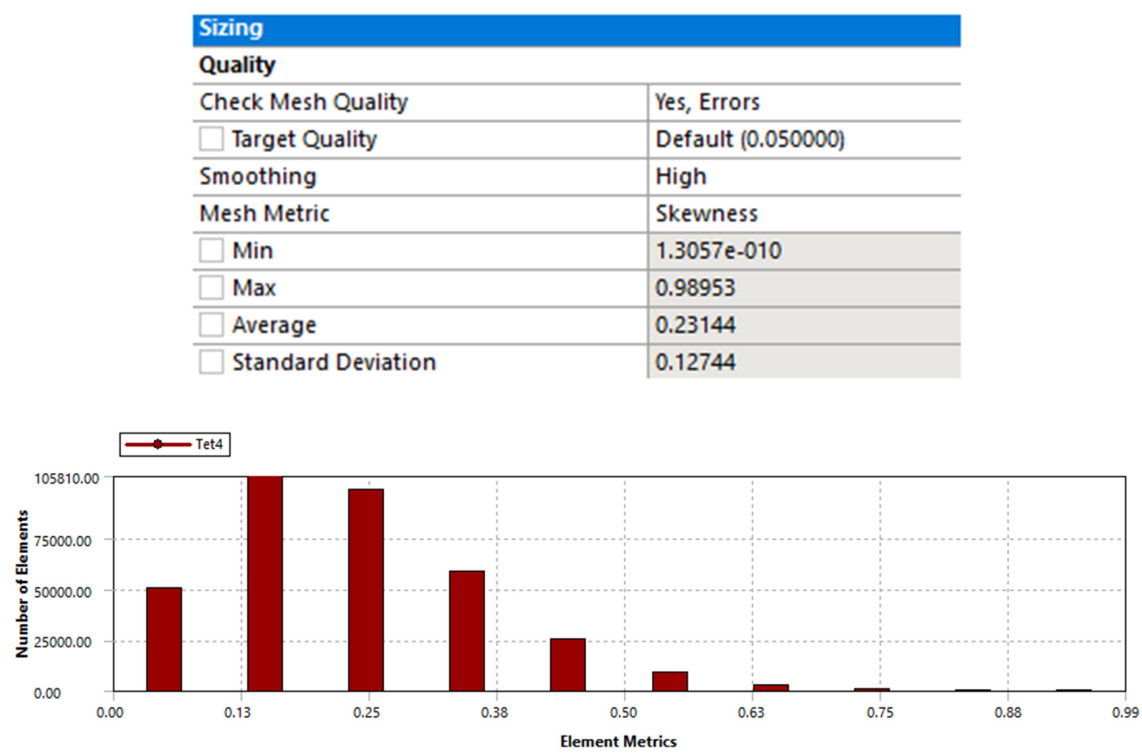


Figure S2. Calculated average skewness value.

Sizing	
Quality	
Check Mesh Quality	Yes, Errors
<input type="checkbox"/> Target Quality	Default (0.050000)
Smoothing	High
Mesh Metric	Orthogonal Quality
<input type="checkbox"/> Min	1.0466e-002
<input type="checkbox"/> Max	1.
<input type="checkbox"/> Average	0.76719
<input type="checkbox"/> Standard Deviation	0.12575

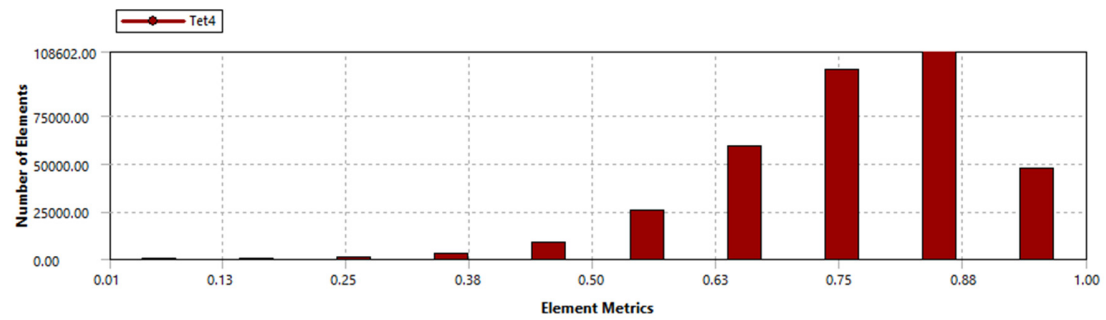


Figure S3. Calculated average orthogonal quality value.

Table S1. Skewness mesh metrics spectrum.

Excellent	Very good	Good	Acceptable	Bad	Unacceptable
0-0.25	0.25-0.50	0.50-0.80	0.80-0.94	0.95-0.97	0.98-1.00

Table S2. Orthogonal quality mesh metrics spectrum.

Unacceptable	Bad	Acceptable	Good	Very good	Excellent
0-0.001	0.001-0.14	0.15-0.20	0.20-0.69	0.70-0.95	0.95-1.00