

# Correction to the article Rigidity of polyhedral surfaces, II

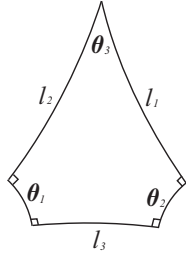
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We correct some errors in our earlier paper [1].

52C26, 52B70, 58E30; 51M10, 57Q15

In **Appendix A**, Case 3, the term  $\cos \theta_i$  in the law of cosines (the third equation) for a generalized triangle of type  $(-1, -1, 1)$  should be corrected to  $\cosh \theta_i$ . The correct formulas are given below.



For  $\{i, j\} = \{1, 2\}$ ,

$$\sinh l_i = \frac{\cosh \theta_i + \cosh \theta_j \cos \theta_3}{\sinh \theta_j \sin \theta_3}$$

$$\cosh l_3 = \frac{\cos \theta_3 + \cosh \theta_1 \cosh \theta_2}{\sinh \theta_1 \sinh \theta_2}$$

$$\cosh \theta_i = \frac{\sinh l_i + \sinh l_j \cosh l_3}{\cosh l_j \sinh l_3}$$

$$\cos \theta_3 = \frac{-\cosh l_3 + \sinh l_1 \sinh l_2}{\cosh l_1 \cosh l_2}$$

$$\frac{\sinh \theta_1}{\cosh l_1} = \frac{\sinh \theta_2}{\cosh l_2} = \frac{\sin \theta_3}{\sinh l_3}$$

Additionally, in the paragraph following **Remark 3.2**, the phrases “the six cases of generalized triangle without ideal vertices” and “the four cases of generalized triangle with ideal vertices” should be corrected to “the four cases of generalized triangle without ideal vertices” and “the six cases of generalized triangle with ideal vertices”, respectively.

## References

- [1] R Guo, F Luo, *Rigidity of polyhedral surfaces, II*, *Geometry & Topology* **13** (2009) 1265–1312.

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