Addendum to "Discrete one-forms on meshes and applications to 3d mesh parameterization", by Gortler Gotsman and Thurston.

Theorem 3.3 cited from the literature states: If G is a closed oriented manifold mesh of genus g, then the linear space of harmonic one-forms wrt some set of positive weights has dimension $2g$.

This theorem is only true if the chosen weights are symmetric. When they are not symmetric, the dimensionality of the space of harmonic one-forms is $2g - 1$. The reason is that, when the weights are not symmetric, then rank of the coclosed constraints is V instead of $V - 1$.

This does not effect any other theorem in the paper. as the dimensionality of $2g$ is not needed in any of the proofs.

For the algorithm of section 6, then step 1 of the algorithm should read
1. Compute a basis of the 2g-dimensional space of harmonic one-forms on G. ($2g - 1$ for non symmetric weights)