## Erratum to Extending Persistence Using Poincaré and Lefschetz Duality

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communicated by Konstantin Mischaikow

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**Symmetry.** As before, K is a triangulation of a d-manifold and f is defined by a real-valued function on the vertex set. We claim that duality implies that persistence is symmetric in the sense that f and -f give the same diagrams up to reflections and dimensions. However, this time we use the superscript R to indicate reflection across the minor diagonal, mapping a point (x, y) to (-y, -x), and the superscript 0 to indicate reflection through the origin, mapping (x, y) to (-x, -y).

SYMMETRY THEOREM. For a real-valued function f on a d-manifold, we have

$$Ord_r(f) = Ord_{d-r-1}^R(-f),$$
  

$$Ext_r(f) = Ext_{d-r}^0(-f),$$
  

$$Rel_r(f) = Rel_{d-r+1}^R(-f),$$

for all dimensions r.