

# Characterization of Similarity Metrics in Epistemic Logic

## Corrections and improvements

November 22, 2024

1. Page 114. The starting part of Lemma 6 should be rephrased to the following:

Surjective bounded morphism preserves truth and frame validity. To be precise, if  $\beta$  is a bounded morphism from model  $M = (W, E, V)$  to  $M' = (W', E', V')$ ,

2. Page 115. Theorem 2 should be rephrased to the following:

For any set  $\Gamma$  of formulas,

1.  $\Gamma$  does not define S2a'; i.e., it is not the case that for any frame  $F: F \models \Gamma$  iff  $F \in \text{S2a}'$ ;
2.  $\Gamma$  does not define S2b'; i.e., it is not the case that for any frame  $F: F \models \Gamma$  iff  $F \in \text{S2b}'$ .