

Covering note

June 25, 2022

A brief separate section, entitled ‘Further discussion’, has been added at the end of the paper; it mentions the possibility of considering a more general semantics that uses sets of normal worlds. Also the more specific comments have been taken into account; see the details below.

Specific revisions

- (1) Fixed; see Footnote 4.
- (2) Fixed.
- (3) Fixed; see also Footnote 7.
- (4) A comment has been added at the end of Section 2.2: we adopt the convention that Form is a prime L -theory if and only if no negated formula belongs to L ; this is recalled in Section 2.3.
- (5) Fixed; in particular, see Footnote 10.
- (6) Fixed; see Footnote 11.
- (7) A comment has been added before Theorem 4.2.
- (8) Fixed.
- (9) Fixed.
- (10) A comment has been added after the definitions of \mathcal{M}_Φ and \mathcal{M}^Φ (while the names have been omitted because their are not used in what follows).
- (11) The statement of Proposition 5.2 (as well as that of Proposition 5.1) has been modified, and an argument showing that \mathcal{W}^Φ is strongly condensed has been added.¹
- (12) See Footnote 16. The comments on the finite nature of $N(\Phi)$ are now given before Lemma 5.9.
- (13) The comments on the finite nature of $C(\Phi)$ are now given before Lemma 5.10.

¹There was also a typo in the definition of R^Φ : it should have been $\neg\phi \in \Phi$ instead of $\phi \in \Phi$.