

Introduction sec:intro

Expressiveness modulo bisimilarity

A seminal result in the theory of modal logic is van Benthem's Characterisation Theorem vanBenthemPhD, stating that, over the class of all labelled transition systems (LTSs for short), every bisimulation-invariant first-order formula is equivalent to (the standard translation of) a modal formula: equation eq:vB $\equiv /$ (*over the class of all LTSs*).