

COALGEBRAIC POSITIVE S5

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Relational structures play a fundamental modeling role in many disciplines, including theoretical computer science, computational linguistics, formal semantics, economics, and philosophy. As modal languages are the simplest languages in which relational structures can be described, constrained, and reasoned about, it is hardly surprising that applied modal logic has blossomed in recent years.

A very active and fruitful research line on modal logics consists on finding the variants of modal logics which admits coalgebraic semantics. In this talk, we introduce a fragment of positive modal logic which admits such semantics.

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