

Relating Semantics for Explicit Epistemic Logic

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The aim of this paper is to develop a suitable system of explicit epistemic logic based on relating semantics. In more detail, I'm going to introduce a system of explicit epistemic logic in which the notion of explicit knowledge is related to the notion of implicit knowledge in an appropriate way and show that the system can be characterized from a semantic point of view based on a framework including relating relations. In particular, I'm going to present some limitations in the traditional attempts to connect explicit and implicit knowledge in terms of awareness, propose a new way to think of this connection, present a system of logic capturing the two notions, provide a relational semantics for that system, and prove that the system is fully characterized based on the semantics. Finally, I will hint to some developments of the system related to the way in which the relating relations can be interpreted.