

- ▶ WILL STAFFORD, *Learning about programs*.

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Sam knows that their code meets specification, Alex knows that their code never enters a particular bad state. But what can we say with confidence that they know together about the whole program? Dynamic program logics allow us to prove safety and verification facts about programs. Dynamic epistemic logics allow us to model communication between agents about what they know. This project combines these logics with an interaction axiom for the modals to produce a dynamic epistemic program logic which can model Sam and Alex's situation. We prove soundness and completeness for an axiomatization of the system.