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## **Decidable fragments of First Order Modal Logic**

First Order Modal Logic extends First Order Logic with Modal Operators. Most of the decidable fragments of first order logic (like the unary predicates, two variables, guarded fragments) all become undecidable when extended with modal operators. In this talk we will look at some recently identified decidable fragments of First Order Modal Logic.

This is a joint work with R. Ramanujam, Mo Liu, Yanjing Wang and Varad Joshi.

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