▸ JONI PULJUJÄRVI, DAVIDE EMILIO QUADRELLARO, *Some Model-Theoretic Results in Team Semantics.*
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In this talk we continue the work started in [1] and we try to develop a suitable model-theoretic framework for logics over team semantics. In fact, since logics in team semantics admit a compactness theorem [1], it is natural to consider how far the standard tools and results from classical model theory can be pushed in this context.

We introduce a suitable notion of maps between model that preserve formulas of independence logic and we describe the resulting category of models and morphisms. In particular, we show that a suitable version of the amalgamation property holds in this context and we introduce a notion of Galois types for logics in team semantics. Finally, we also describe in better details to what extent this category fits the framework of Abstract Elementary Categories of Kamsma and Kirby [2].

[1] Joni Puljujärvi and Davide Emilio Quadrellaro, *Compactness in Team Semantics*, https://arxiv.org/abs/2212.03677.

[2] Mark Kamsma, *The Kim-Pillay Theorem for Abstract Elementary Categories*, The Journal of Symbolic Logic 85, no. 4 (2020): 1717–41.