SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 13 de janeiro (sexta-feira), às 15H00, sala 6.2.33

Equilibrium Logic (Part 2)

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Abstract:

We add epistemic modal operators to the language of here-and-there (HT) logic, and define epistemic here and-there (EHT) models. We then successively define epistemic equilibrium models and autoepistemic equilibrium models. The former are obtained from EHT models by the standard 'minimisation of truth' of equilibrium logic; they provide an epistemic extension of that logic. The latter are obtained from the former by maximising the set of epistemic possibilities; they provide a new semantics for epistemic specifications (an epistemic extension of ASP). For both definitions we characterise strong equivalence by means of logical equivalence in EHT logic.

Local: FCUL, C6 - Piso 2, 6.2.33