SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 25 de Fevereiro (segunda-feira), sala 6.2.33

14:30

Classical and quantum degrees of truth: A new look at the effects of a Hilbert space

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Abstract:

We investigate certain Brouwer-Zadeh lattices that serve as abstract counterparts of lattices of effects in Hilbert spaces under the spectral ordering. These algebras, called PBZ*-lattices, can also be seen as generalizations of orthomodular lattices and are remarkable for the collapse of three notions of "sharpness" that are distinct in general Brouwer-Zadeh lattices. We will finally present the structure theory of PBZ*-lattices and we provide an initial description of the lattice of PBZ*-varieties.

Local: FCUL, Edf. C8, sala 6.2.33