

DISCRETE DUALITY FOR TENSE SHT-ALGEBRAS

Cecilia Segura

Instituto de Ciencias Básicas - Universidad Nacional de San Juan, Argentina
ceciliasegura5@gmail.com

In this presentation, we introduce an extension of the discrete duality theory for SHT-algebras to the case of tense SHT-algebras. SHT-algebras constitute an extension of symmetric Heyting algebras and T-rough Heyting algebras. First, a discrete duality is developed between SHT-algebras and a class of relational systems called SHT-frames. Then, we consider the enrichment of these structures by incorporating two tense operators, (G) and (H). Based on this extension, tense SHT-algebras and the corresponding tense SHT-frames are introduced. Finally, a discrete duality between tense SHT-algebras and tense SHT-frames is established, thus extending the previously obtained discrete duality results for SHT-algebras.

Trabajo en conjunto con Carlos Gallardo (Universidad Nacional del Sur, Argentina) y Gustavo Pelaitay (Universidad Nacional de San Juan, Argentina).

Referencias

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