

Topological Duality for N4-lattices and N4-lattices with Modal Operators

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I will present joint work with Umberto Rivieccio. We develop a new topological duality for N4-lattices different from the one obtained by Odintsov. Our duality builds only on Esakia duality for Heyting algebras whereas Odintsov's builds also on Cornish and Fowler duality for De Morgan algebras. We extend our duality to obtain a duality for N4-lattices with modal operators such as those introduced by Rivieccio and by Odintsov.