On the extensions of Di Nola’s Theorem

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(Joint work with Jan Paseka)

The main aim of this talk is to present a direct proof of Di Nola’s representation Theorem for MV-algebras and to extend his results to the restriction of the standard MV-algebra on rational numbers. The results are based on a direct proof of the theorem which says that any finite partial subalgebra of a linearly ordered MV-algebra can be embedded into \( \mathbb{Q} \cap [0, 1] \).