

Contributions to the structure theory of ω -languages

Overview

1. (regular) *-languages
2. $\mathcal{L}^* \rightarrow \mathcal{L}^\omega$ operators
3. Some results about ω -languages

*-languages

1. ...

Some results

1. $\text{BC ext } \mathcal{L}^*(\text{piece-wise testable}) = \text{BC lim } \mathcal{L}^*(\text{piece-wise testable})$
2. $\mathcal{L}^\omega(\text{FO}[+1]) = \text{BC ext } \mathcal{L}^*(\text{FO}[+1])$
3. $\mathcal{L}^\omega(\text{FO}[<]) = \text{BC lim } \mathcal{L}^*(\text{FO}[<])$
4. $\text{BC ext } \mathcal{L}^*(\text{FO}[<]) \subsetneq \text{BC lim } \mathcal{L}^*(\text{FO}[<])$
5. $\text{BC ext } \mathcal{L}^*(\text{locally testable}) \subsetneq \text{BC lim } \mathcal{L}^*(\text{locally testable})$
6. $\text{BC ext } \mathcal{L}^*(\text{pos-PT}) = \text{BC lim } \mathcal{L}^*(\text{pos-PT})$
7. $\text{BC ext } \mathcal{L}^*(\text{pos-PT}) = \text{BC ext } \mathcal{L}^*(\text{PT})$