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**Deriving generic bounds for time-series constraints based on regular expressions characteristics.** (English) [Zbl 1396.90047](#)  
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Summary: We introduce the concept of regular expression characteristics as a unified way to concisely express bounds on time-series constraints. This allows us not only to define time-series constraints in a compositional way, but also to deal with their combinatorial aspect in a compositional way, without developing ad-hoc bounds for each time-series constraint separately.

**MSC:**

[90C10](#) Integer programming

**Keywords:**

[global constraints](#); [time-series constraints](#); [sharp bounds](#); [quantitative regular expressions](#); [regular programming](#)

**Full Text:** [DOI](#)

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