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Model-driven development of data intensive applications over cloud resources

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Highlights

(i) A methodology that guides data-intensive applications design over the life cycle, and to address functional and non-functional requirements together with the involved resources.

(ii) A formal component-based development to build models from existing components and capability to reason about the resulting composition

(iii) An illustration of the analysis possibilities of models for efficient an reliable design and / or optimization combining simulation with the analytical analysis.

(iv) An integrated view of functional, performance and economical aspects of data intensive applications.