An Integrated System to Support Design of Safer Batch Processes

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Abstract

Batch process design is an information and knowledge intensive task. The paper discusses the needs for tools to manage and utilize various design information and knowledge to support design activity. An integrated approach, which is centered on design rationale and integrated tools, has been proposed. The details of the framework and implementation of an integrated development environment based on this framework are discussed.

Keywords: batch process design, integrated development environment, design rationale, integration of tools