

Volume 6

Automatic Synthesis of Batch Process Operating Procedures

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收稿日期 1996-11-1 修回日期 网络版发布日期 接受日期 1997-3-15

摘要 A three-step synthesis strategy for the automatic synthesis of operating procedures in batch process operations is presented in this paper. The first step is pre-operation which consists of a set of checks that must be considered before starting the basic process operation. The second step is operation which is described by a set of basic control instructions. The third step is post-operation described by a set of instructions that must be carried out when the basic process operation is terminated. The three-step synthesis method has been implemented as part of a prototype recipe management system.

关键词 [batch process](#) [operating procedure](#) [control step](#)

分类号

DOI:

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Received 1996-11-1 Revised Online Accepted 1997-3-15

Abstract A three-step synthesis strategy for the automatic synthesis of operating procedures in batch process operations is presented in this paper. The first step is pre-operation which consists of a set of checks that must be considered before starting the basic process operation. The second step is operation which is described by a set of basic control instructions. The third step is post-operation described by a set of instructions that must be carried out when the basic process operation is terminated. The three-step synthesis method has been implemented as part of a prototype recipe management system.

Key words [batch process](#); [operating procedure](#); [control step](#)

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