

数据库、信号与信息处理

## 动态多策略本体映射与集成方法研究

李鹏, 徐德智, 尹艳

中南大学 信息科学与工程学院, 长沙 410083

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**摘要** 针对目前多策略本体映射中各种映射策略不能根据待映射本体间的差异进行不同的映射处理、多策略集成时也没有充分利用本体包含的语义信息等问题。提出了一种动态多策略本体映射与集成方法, 该方法首先对部分关键策略进行了动态地改进, 然后利用层次分析法对不同的映射策略进行集成, 从而得到最终的映射结果。实验结果表明, 该方法在保证通用性和稳定性的同时, 提高了映射结果的查全率和查准率。

**关键词** [本体映射](#) [多策略](#) [层次分析法](#) [集成](#)

**分类号** [TP18](#)

## Research on method of dynamic multi-strategies ontology mapping and integration

LI Peng, XU De-zhi, YIN Yan

College of Information Science and Engineering, Central South University, Changsha 410083, China

### Abstract

Various problems have existed in the current multi-strategies ontology mapping. For example, most mapping strategies cannot do different operations on ontology mapping according to the differences existed in ontologies and the semantic information of the ontology is not made to full use when integrating each strategy. This paper proposes a dynamic method of multi-strategies ontology mapping and integration. In the process of mapping, this method improves some key strategies, then the different mapping strategies are assembled by the AHP. The experimental results show that this method improves the recall and precision of ontology mapping while maintaining currency and stability.

**Key words** [ontology mapping](#) [multi-strategies](#) [Analytic Hierarchy Process \(AHP\)](#) [integration](#)

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通讯作者 李鹏 [lp\\_4555015@hotmail.com](mailto:lp_4555015@hotmail.com)

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