

博士论坛

复合数字对象及版权保护权利推理机制研究

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摘要 考虑到网络多媒体应用对具有适应互操作、标准性以及知识产权保护功能的数字媒体的需要, 对复合数字对象进行了研究, 提出了HDO_IDOP (Hybrid Digital Object in IPTV DRM Operating Platform) 复合数字对象模型。模型分数据、语义、管理等几个层次。采用Petri网模型对HDO_IDOP复合数字对象权利描述语义进行建模, 建立推理机制, 使复合数字对象使用权利描述能被广泛理解和解释。

关键词 [复合数字对象](#) [版权保护](#) [Horn子句](#) [Petri网](#)

分类号

Research of hybrid digital object and inference of rights

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Abstract

The authors have conducted the research to the hybrid digital object in order to meet the need of network multimedia applications which have interoperability, standard as well as the intellectual property protection function. Put forward the hybrid digital object model HDO_IDOP (Hybrid Digital Object in IPTV DRM Operating Platform) which includes the methods, semantics and management. The Petri model is adopted to establish the rights expression model of the HDO_IDOP_REL, and the mechanism of logical inference is established which makes the rights expression to be understood and explained by machine widely.

Key words [hybrid digital object](#) [copyrights protection](#) [Horn clause](#) [Petri net](#)

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