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**Title :** A Comparison of Model Migration Tools

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## **ARTICLE 4**

The document titled "A Comparison of Model Migration Tools" discusses the challenges and approaches to migrating existing models when their underlying metamodels evolve. It compares four model migration tools: AML, COPE, Ecore2Ecore, and Epsilon Flock, using practical examples of model migration. The paper aims to provide insights into the strengths and weaknesses of these tools and help users select the most appropriate tool for their specific situation.

The introduction highlights the need for automated model migration due to the tedious and error-prone nature of manual migration. It mentions the availability of different tools for building migration strategies but acknowledges the lack of knowledge about how these tools compare in practice.

The paper categorizes model migration approaches into manual specification approaches, operator-based approaches, and metamodel matching approaches. It also references related work on model transformation languages and provides a comparison of transformation languages based on theoretical aspects.

The comparison method used in the paper involves applying the model migration tools to two co-evolution examples: one related to Petri nets and the other related to the GMF Graph metamodel. The experiences and findings from using each tool are reported, highlighting their strengths and weaknesses based on nine criteria important for model migration.

The document provides a detailed analysis of the tools, their application to the examples, and the resulting insights. However, the summary provided here is truncated, and further details are available in the complete document.