Model-driven architecture for embedded software: A synopsis and an example

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Abstract

MDA proposes a new paradigm for software development in general. We claim that MDA could be beneficial for embedded software development, especially if it is extended to address the special needs of embedded systems. The paper consists of two sections: the first is a brief synopsis on how MDA ought to be extended to handle embedded software development, while the second illustrates the concepts in practice using a prototype modeling language and tool chain designed for developing mission computing software.

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