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ハードウェアモデルを用いた
モデル駆動型システムプロダクトライン

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論文の内容の要旨

In recent years, embedded systems is subject to increasing demand. Embedded systems is computer systems embedded instrument of some kind and control it. One of aspect of embedded system, systems has various kind product. Products composed by many hardware and software variability.

Software product line development is one of software development methodology manage software variability and reusability. Therefore, software product line development manage only software variability. System product line development manage software variability and additionally hardware variability.

Embedded software is software that control hardware system. Embedded software developments needs many kind of hardware information. In the past, developments is by hand work that is based on engineer's implicit knowledge.

We propose software development architecture that manage hardware and software variability, and embedded software derivation by modeled hardware information.

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