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**SOFTWARE PROTOTYPING WITH FORTH**

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**ABSTRACT**

This paper discusses how to develop software in Forth using a prototyping development life cycle. The goals of a good development process are described. Several different lifecycle models are compared: waterfall, mockups, and enhancement. Each model consists of the same steps (investigation, analysis, design, construction, test, release, and support), but the models repeat the steps differently.

The benefits of the enhancement life cycle are listed. A general implementation plan is outlined that can be used to apply the model to new projects. A case study is presented which illustrates using the model.