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**A Spiral Model of Software Development and Enhancement**

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**ABSTRACT**

A concise explanation of software process models and the problems that they aim to solve is provided here. An overview of the process phases involved in the spiral model is presented below. The spiral model is an evolving risk-driven method that provides a framework for guiding the software development process. This framework is then used to a software development project. A synopsis is provided of the most important benefits and ramifications that are associated with utilizing the spiral model, as well as an overview of the most important challenges that arise from employing the model in its present unfinished form. < >.

It provides a concept of software development and improvement in the form of a spiral. After experimenting with a number of different waterfall models in big government software projects over the past few years, a spiral model of software development emerged. The spiral model can handle most prior models as special instances and further provides advise on which combination of past models best suits a given software situation. For the time being, TRW-SPS development is the most thorough use of this technology. Using radial and angular dimensions, this chapter depicts how the cumulative cost of the steps to date and how much progress has been achieved in completing each cycle of the spiral.

***Keywords: Spirals, Programming, Military computing, Software prototyping, Testing, Application software, Productivity, Navigation, Prototypes***