

The Laws of Software Process: A New Model for the Production and Management of Software

By Phillip G. Armour



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Within one generation, software has become one of the principal sources of wealth in the world. The development and use of software has grown faster than for any artifact in the history of the world. Probably no topic or subject in history has accelerated in its rate of practice as software has. Software development now needs to mature into a disciplined activity to overcome the difficulties that have traditionally plagued it. Software developers, engineers, and project managers need a reference that describes the evolution of software: where it has been, and where it is going.

The Laws of Software Process: A New Model for the Production and Management of Software reveals a novel and compelling structure for development that redefines the very nature and purpose of software. The author explains how, in the modern "knowledge economy," software systems are not "products" in the classical sense, but is the modern medium for the conveyance of information. Literally, software is the currency of the knowledge basis of wealth in today's society.

From this definition flows a new assessment of the basics of software development: the purpose of methods and processes; a comparison of programming languages; and an analysis of quality management, cost estimation, and project management and completion. The groundbreaking perspective outlined in this book serves as an expert guide for successful planning and execution of development projects.



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Review

"This book nicely consolidates and expands on the material in Phillip Armour's columnsThis is a thought-provoking book thathas ideas about how to approach process design and implementation that could be useful in most situations." Scott Duncan, Software Quality Press

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