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Software Productivity

"Years ago, when I first started to hear of Harlan Mills and his ideas, I gave them short shrift. . . . It was an act of pure prejudice, not against Iowa farm boys or baseball fans, but against mathematicians. . . .

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—Gerald M. Weinberg
from the foreword

About the Author

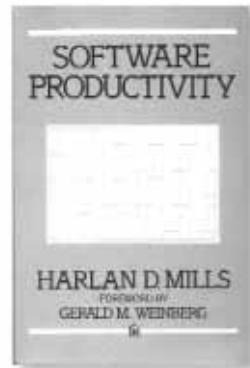
The late Harlan D. Mills was widely recognized for his contribution as a mathematician concerned with bringing more rigor into systems and software development. Among his many awards were the DPMA Distinguished Information Science Award in 1985 and the J.-D. Warnier Prize in 1987.



At the time of his death in 1996, he was the Director of the Information Systems Institute in Vero Beach, Florida. He had previously worked at IBM from 1964 to 1987. He was an IBM Fellow for fifteen years, Director of Software Engineering and Technology for the Federal Systems Division, and a member of the IBM Corporate Technical Committee. At IBM, he received the Outstanding Contribution Award and was the principal architect for the curriculum of the IBM Software Engineering Institute, an internal educational facility with a worldwide faculty.

Software Productivity

by Harlan D. Mills
foreword by Gerald M. Weinberg



ISBN: 0-932633-10-2
©1988 288 pages softcover
\$31.95 (incl. \$6.00 for UPS in US)

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Collected here are twenty papers on software engineering by the late mathematician and software methods pioneer Harlan D. Mills. Written between 1967 and 1981, the papers document Mills's technical and managerial approaches for achieving both high productivity and improved quality. Cited time and again in books and papers on software development, they are required reading for all software developers, their managers, and students alike.

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topics such as chief programmer teams, top-down programming on large systems, reading programs as a managerial activity, and buying better quality software.

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