SimQuick: Process Simulation With Excel, 3rd Edition
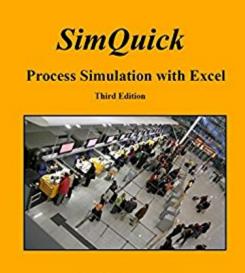
SimQuick

Process Simulation with Excel

Third Edition

David Hartvigsen

Synopsis

This booklet accompanies a software package called SimQuick. SimQuick is a freely-distributed Excel spreadsheet (with macros) for building simulation models of processes: waiting lines, supply chains, manufacturing facilities, and project scheduling. SimQuick is easy to learn, easy to use, and flexible in its modeling capability. Recently updated (2016), it has been used in industry and in educational settings since 2001. If you can open an Excel spreadsheet on your computer (PC or Mac), then you can immediately use SimQuick. This 3rd edition booklet presents the basics of process simulation by having the reader construct, run, and analyze simulations of realistic processes using SimQuick. It contains a wide variety of examples and exercises based on processes such as: a bank, a 1-800 call center, a fast food restaurant, a hospital emergency room, an airport security system, an inventory management system, and a software development project. The booklet supports either a quick introduction to process simulation (in as little as an hour or two of class time or independent reading), or a more in-depth treatment. To read more about this booklet and SimQuick, and to download a free copy of the SimQuick software, go to SimQuick.net.

Book Information

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Customer Reviews

I had the pleasure of taking a course with Professor Hartvigsen and his book was a fantastic guide to using SimQuick. It explains each step of the simulation process near perfectly. I highly recommend this book if you're interested in learning process simulation.

Fantastic tool and useful book.I have used the tool to model client flows and orders for my restaurant and it definitely helped me understand the number of tables I would have needed. Thanks to the author.

The SIMQUICK has new features. This new version is very good and very useful in teaching operations.

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