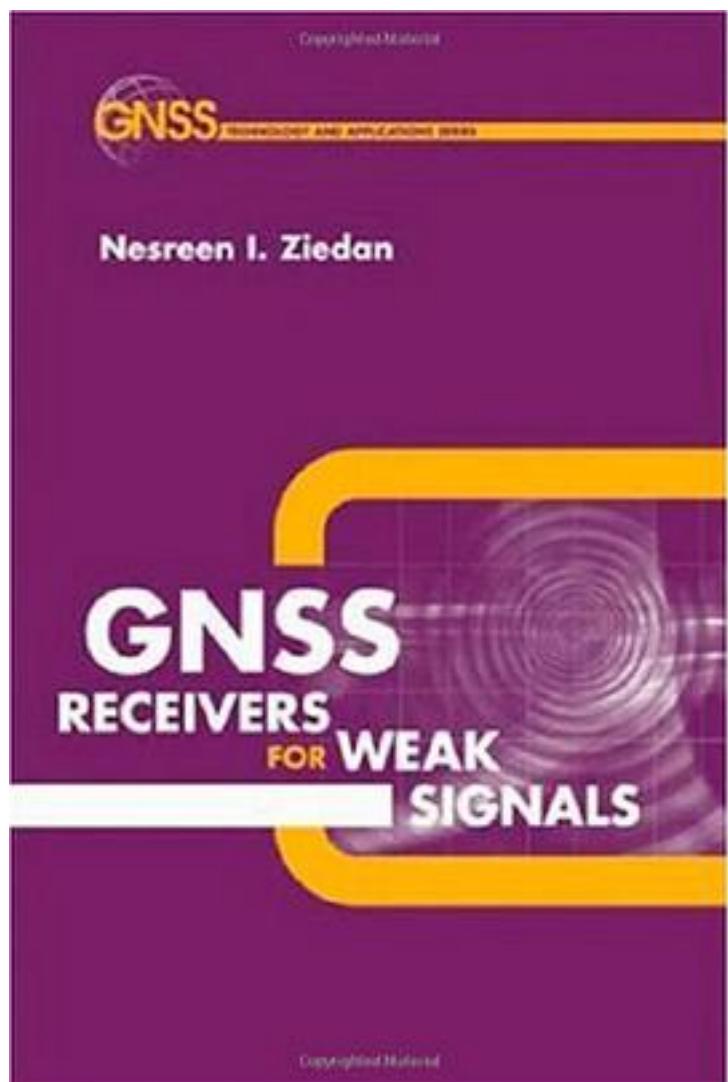


Global Navigation Satellite System



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Many important GPS applications such as the positioning of wireless devices, tracking during ionospheric scintillation, and orbit determination of geostationary and high Earth orbit satellites require a GPS receiver with the ability to work with weak signals. This first-of-its-kind book addresses this critical issue, introducing new, efficient GPS receiver algorithms designed for weak signals and various dynamic conditions. Professionals gain working knowledge of 15 algorithms that can be easily implemented in a standalone GPS receiver, because they don't require information from networks or other outside sources. The algorithms presented in the book address all the main receiver functions that today's engineers are concerned with, such as signal acquisition, fine acquisition, bit synchronization, code and carrier tracking, and navigation message decoding.

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评论

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书评

Ziedan的这本书是她的几篇ION会议论文攒在一起的产物。不说别的，单是她能把直观简单的问题用大量的数学公式给描述到复杂至极的这个本领，就足以令其成为牛人。Ziedan与Psiaki前些年的一系列文章的文风足以使人惊骇。霍金说，一本书中每出现一个数学公式就会使读者数量少...

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