

# Comprehensive Explanation of Active Network Measurement

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*Ideal for network researchers  
and graduate students*

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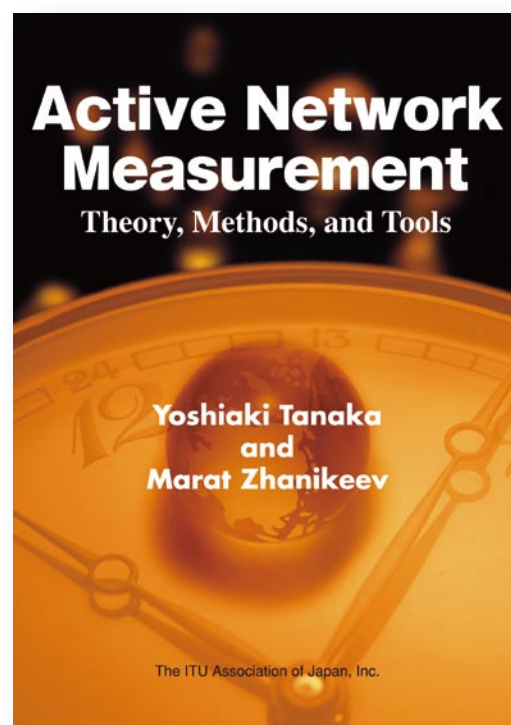
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## BOOK DESCRIPTION

Active measurement is a method or a software tool that discovers network performance in result of sending probes along arbitrary paths. Each individual probe would normally traverse a certain path with a given source and destination addresses, thus, resulting in the measurement of network performance characteristics along this path. Active measurement is a primitive building block of the technology and may be used as a powerful tool in defining the performance of a network through aggregating measurements from many individual paths. Active measurement is increasingly becoming important for network operation in the NGN era. NGN separates control plane from transport plane in the new network design. Transport plane is to be composed of access and core IP networks that will be used to provide global connectivity in all-IP networks. Control plane is to be used to connect services, and is defined in an abstract way so that services would not depend on underlying transport network technology. To provision end-to-end QoS in such networks, active measurement is the only feasible technology today. Active measurement is presented in this book both as an independent technology as well as an integral part of a large scale network performance management.



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