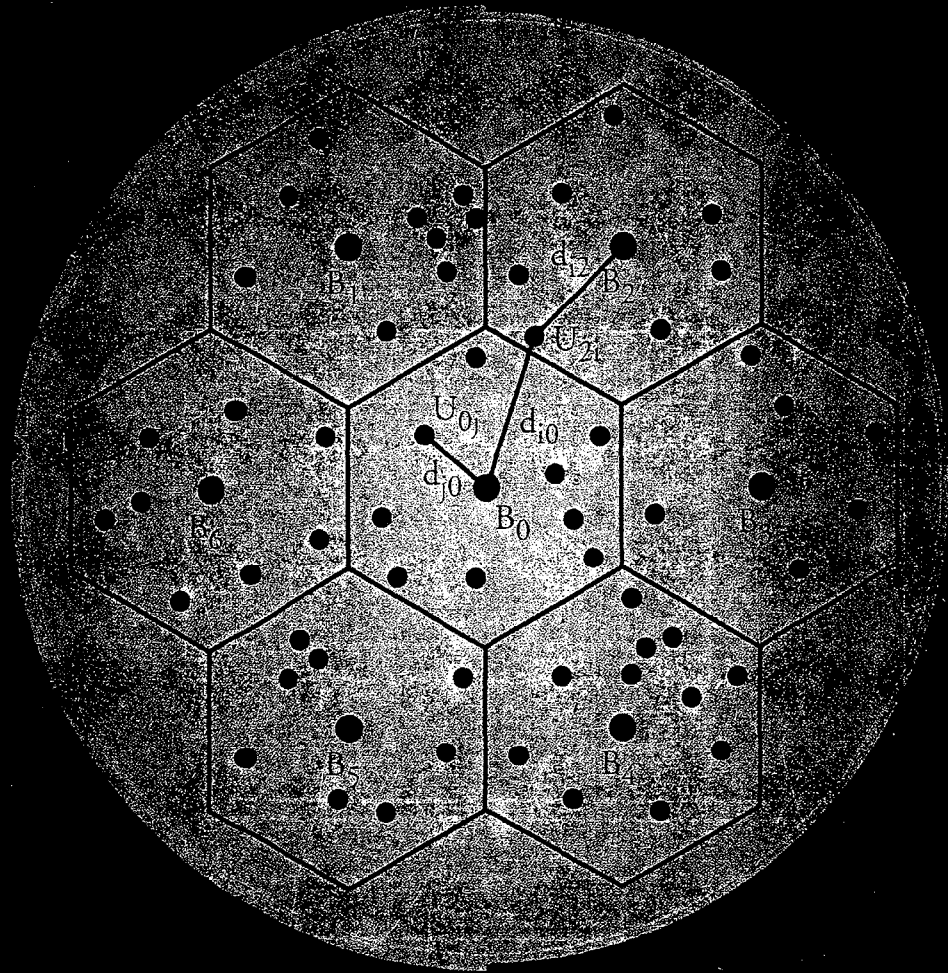


# WIRELESS

## COMMUNICATIONS

Principles  Practice



# Theodore S. Rappaport

# Wireless Communications

*Principles and Practice*

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*The LORD has blessed me  
with a wonderful family  
to whom this book is dedicated*

*To my wife Brenda Marie,  
and to our children  
Matthew, Natalie, and Jennifer*

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