
모바일이동통신 (Mobile Communications)

- ① Propagation Mechanisms: reflection, diffraction, scattering
- ② Free space pathloss affected by distance, frequency
- ③ Basic concept of pathloss, slow fading, fast fading
- ④ Coherence Bandwidth
- ⑤ Relation between coherence bandwidth and delay spread
- ⑥ Frequency-selective fading vs. frequency-nonselective fading
- ⑦ Basic concept of channel coding
- ⑧ code rate
- ⑨ Basic operation of linear block codes
- ⑩ Encoding of convolutional codes, state diagram, trellis diagram
- ⑪ Concept and basic objective of interleaver
- ⑫ Multiple Access Schemes: FDMA, TDMA, CDMA, OFDMA