

Exercise 7, Analog to Digital:

Consider a scenario where an analog voice sample has to be transmitted via a digital network.

1. Explain how this can be achieved and which steps are necessary.
2. Discuss the errors that can occur.
3. Discuss the sampling theorem in this context.

Exercise 8, Base- and Broadband:

Explain the term baseband and broadband. Why do we need broadband communication? Explain how broadband communication of baseband signals is achieved. Give example application scenarios.