

TTT4120 Digital Signal Processing Fall 2021

Lecture: Epilogue

Prof. Stefan Werner stefan.werner@ntnu.no Office B329

Department of Electronic Systems
© Stefan Werner

1

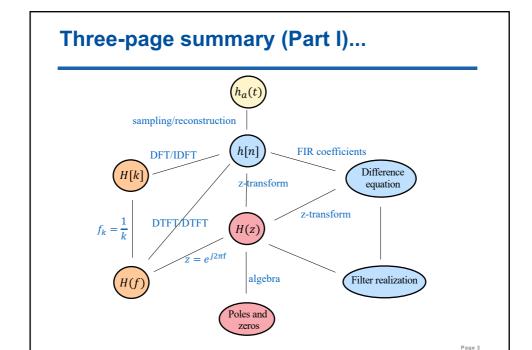
Three-page summary (Part I)

• Deterministic signals (time and frequency) and LTI systems

 System analysis and design, convolution, frequency analysis, sampling and reconstruction, correlation, implementation,...

2

2



3

Three-page summary (Part II)

• Stochastic signals (time and frequency) and LTI systems

• Estimation, filtering of stochastic signals, power spectrum, modeling (parametric and nonparametric), interference suppression, prediction

4

1

Guidelines for exam

- In the exam, the basic idea is to evaluate the understanding of *principles* of central ideas, not just memorizing details
- Details are useless if the big picture is not clear!
- Equations etc. needed in solving of a mathematical problem are usually given in the problem setting
- Concentrate on understanding why!

5

5

Office hours for exam questions

• We will arrange virtual QA sessions

7

7