

Tampere University of Technology
Institute of Digital and Computer Systems
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Multimedia Systems Design (8402070)

Exam: April 24, 2005

- 1.) Draw a block scheme and explain the basics of the JPEG and JPEG2000 standards, respectively! What are the limits of the JPEG compression and why do they occur? What is the advantage of JPEG2000!
- 2.) Explain asynchronous, synchronous and isochronous media streams and give examples of applications!
- 3.) Explain the masking effects in human audio perception!
- 4.) Characterize shortly the technical parameters of three popular video norms!
- 5.) Explain and compare the technical parameters of the CD-ROM and the DVD!
- 6.) Explain the basic ideas of the MPEG-1, -2, -4, -7, -21 standards, respectively!
- 7.) Explain the most important details of the different parts of the MPEG-4 standard!