



Interactive Multimedia Networking



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Tutorial Outline

- Multimedia applications features and requirements
- Issues in supporting multimedia applications
- Quality of service support
 - General techniques
 - Internet QoS Frameworks
 - IntServ and DiffServ
- Delay analysis of videoconference

References

- J. F. Kurose, K. W. Ross, "Computer Networking," Addison Wesley 2001
 - Overview of Multimedia Networking (cap. 6)
- R. Steinmetz, K. Nahrstedt, "Multimedia: computing, communications & applications," Prentice Hall PTR, 1995
 - Good reference for compression and coding standards
- P. Ferguson, G. Huston, "Quality of Service," Wiley, 1998
 - Provision of non best-effort services
- M. Baldi, Y. Ofek, "End-to-end Delay Analysis of Videoconferencing over Packet Switched Networks," IEEE/ACM Transactions on Networking, Vol. 8, No. 4, Aug. 2000, pp. 479-492.
 - Videoconference over packet networks