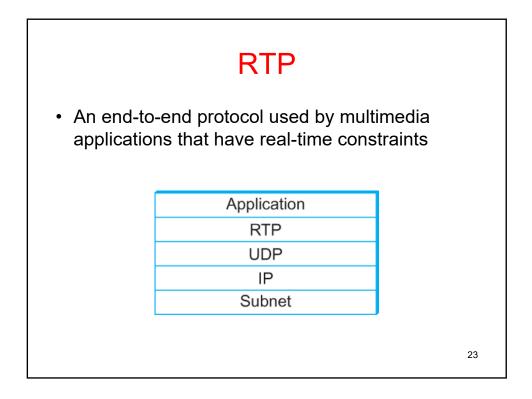
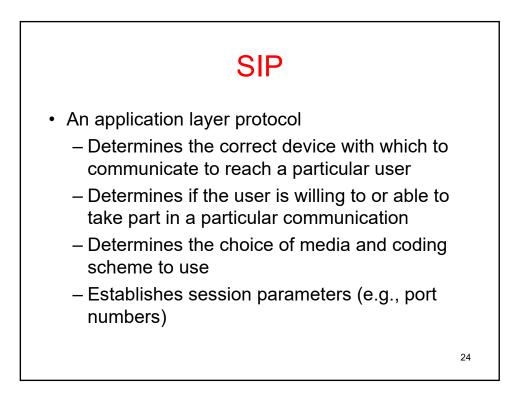


Interactive multimedia applications

- Voice over IP (VOIP)
  - Phone calls over IP
  - Computer to computer
  - Analog phone to/from computer
  - Analog phone to analog phone
- · Enabling protocols:
  - RTP: Real-time Transport Protocol
  - RTCP: Real-time Transport Control Protocol
  - SIP: Session Initiation Protocol

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## Streaming multimedia applications

- Streaming applications deliver audio/video streams from a server to a client
- No human-to-human interaction: Less stringent real-time requirements
- Enabling protocols: RTP (and RTCP) and HTTP
- YouTube (streaming stored audio/video)
- Q: Why is UDP not suitable as a transport protocol for streaming applications?
- Q: Why is TCP not suitable for real-time multimedia communications?

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