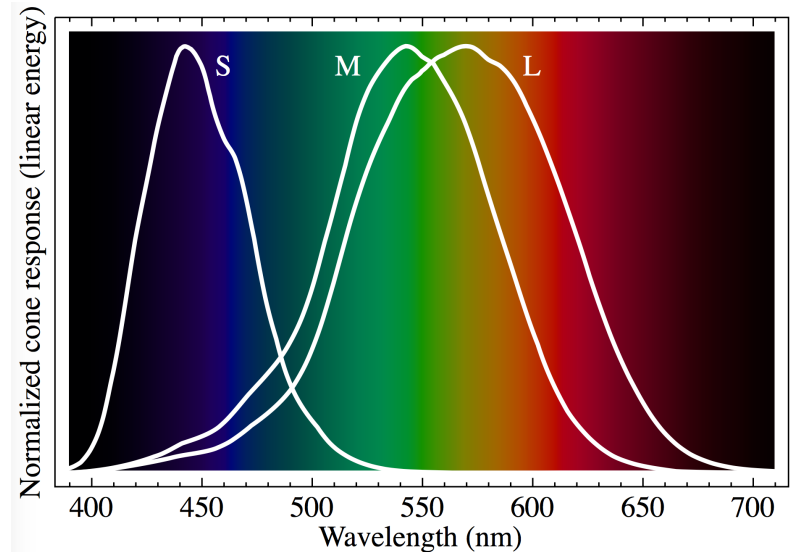


Audio, television and video: a brief history of technology

Reto Kromer • AV Preservation by reto.ch

AEC Film Preservation Workshop
Film Archive and FIAF, Salaya, Thailand
19–23 June 2017

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2

Medium and/or Carrier

- sound
- film
- television
- video
- files

3

Sound Recordings

- wax cylinder
- gramophone record
- magnetic wire
- magnetic tape
- files

4

Photography

black and white:

- blue sensitive emulsion
- orthochromatic emulsion
- panchromatic emulsion

5

Magnetic Tape

- open reel
- cassette
- cartridge

6

Common Magnetic Formats

Audio

- 2", 1", 1/2", 1/4"

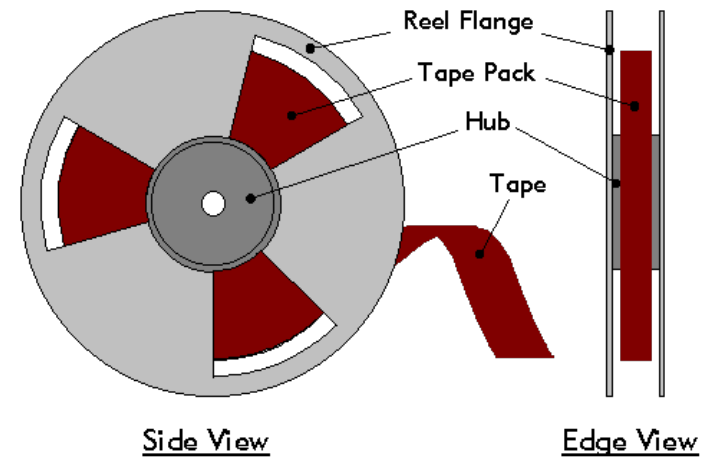
Cinema

- 35 mm, 17.5 mm, 16 mm

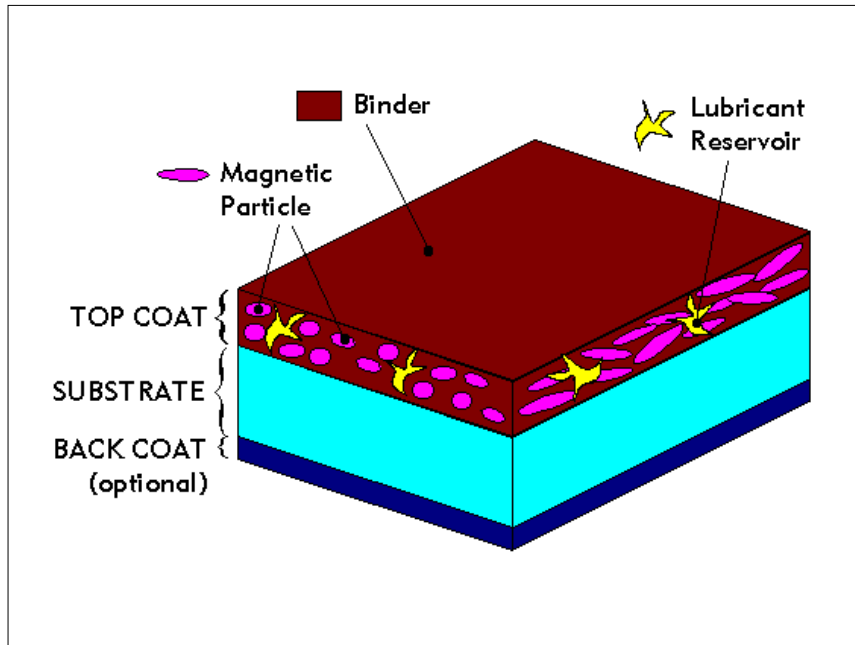
Video

- 2", 1", 3/4", 1/2"

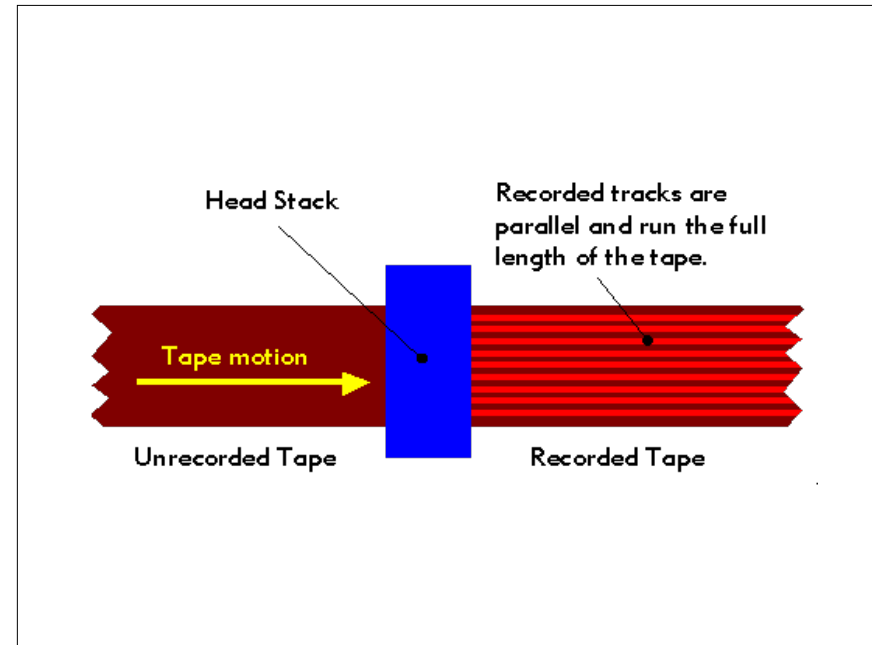
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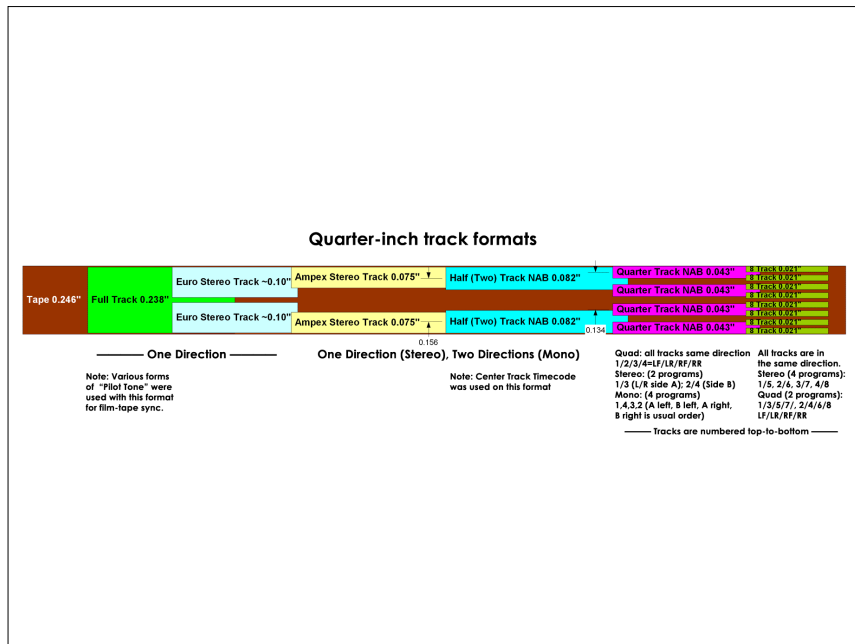
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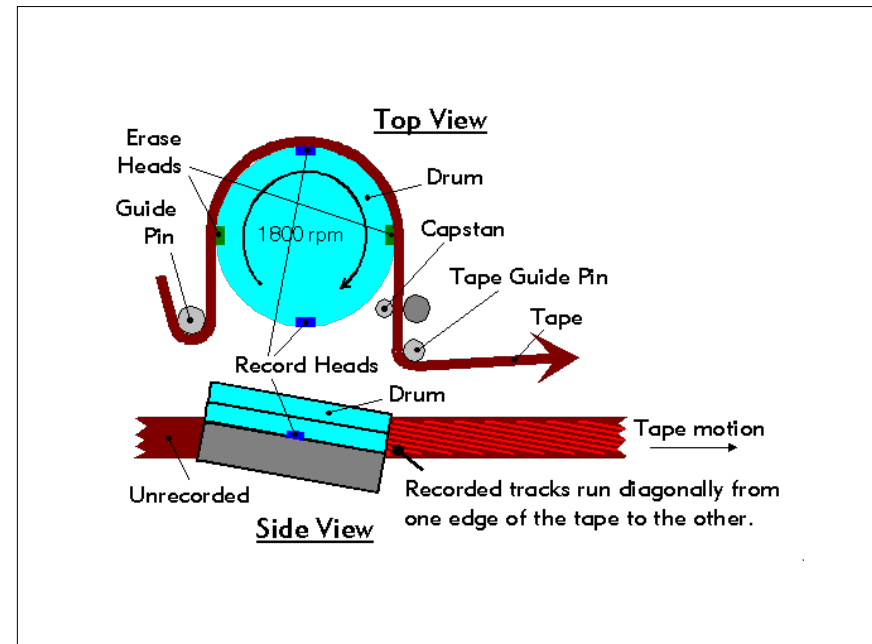
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12



13

Sound Film Production

image	sound
photochemical	photochemical
photochemical	magnetic
photochemical	digital
photochemical + digital	digital
digital	digital

14

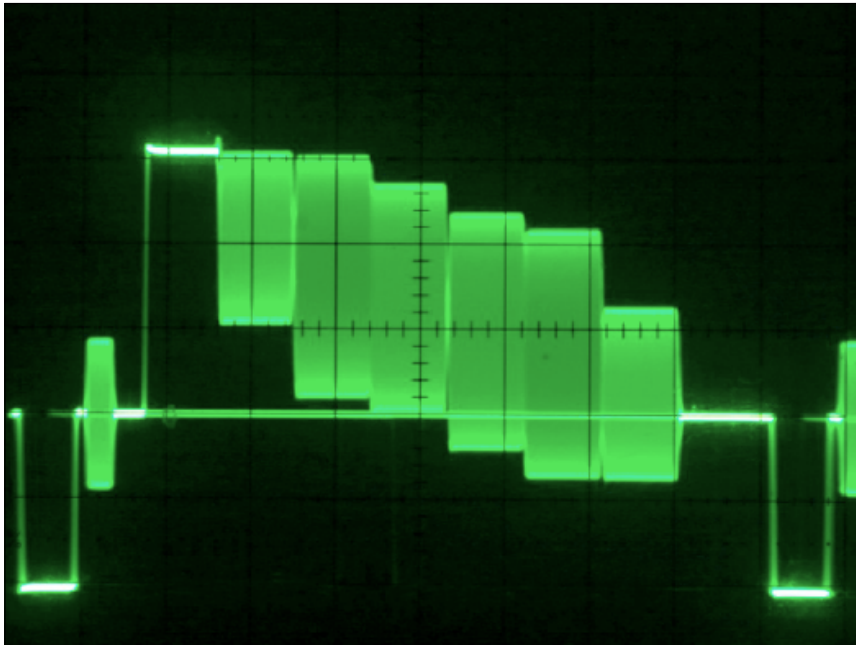


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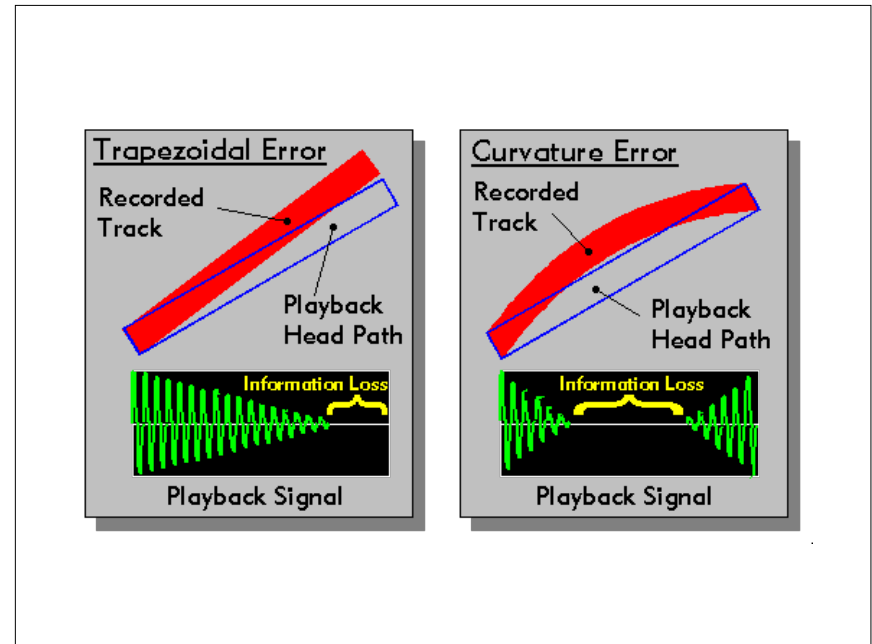
Television

- film
- live
- film and live
- film, magnetic and live
- magnetic and live
- files and live

16



17



18

Monitor Adjustment

- set «contrast» to minimum
- display black
- adjust «brightness»
- adjust «contrast»

19

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