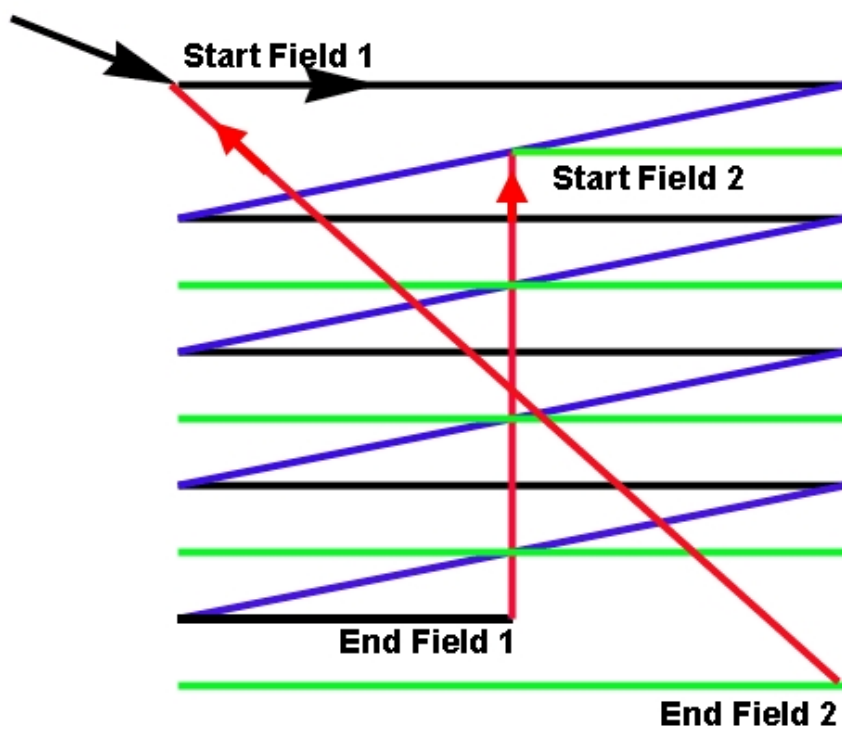


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[illegible]

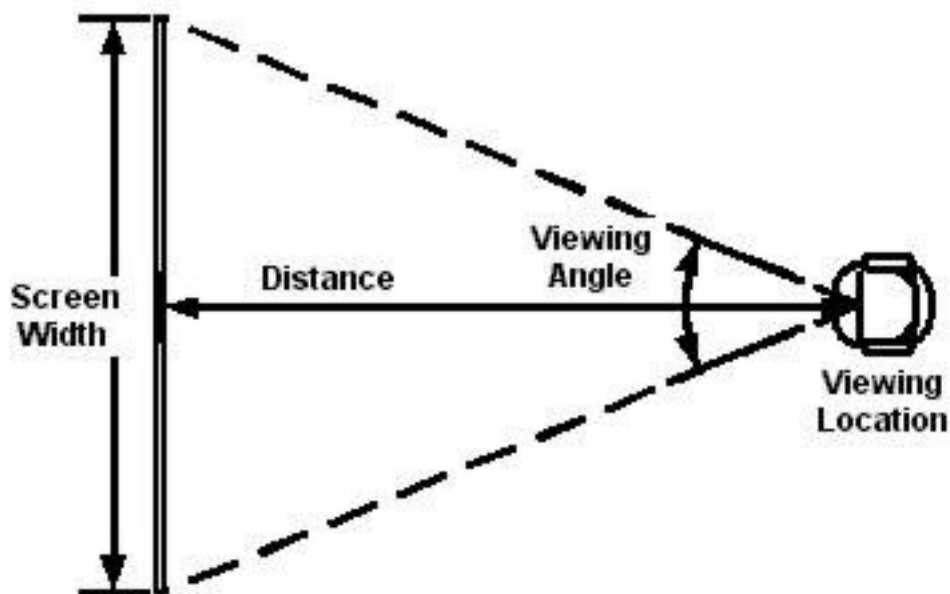
(scan)



1

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Please Login to read more ... {/pub} {reg}

[illegible][illegible]

□□□□□□ **2** □□□□□□□□□□□□□□□□

50

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ 360 □ □ □ □ = 2πR

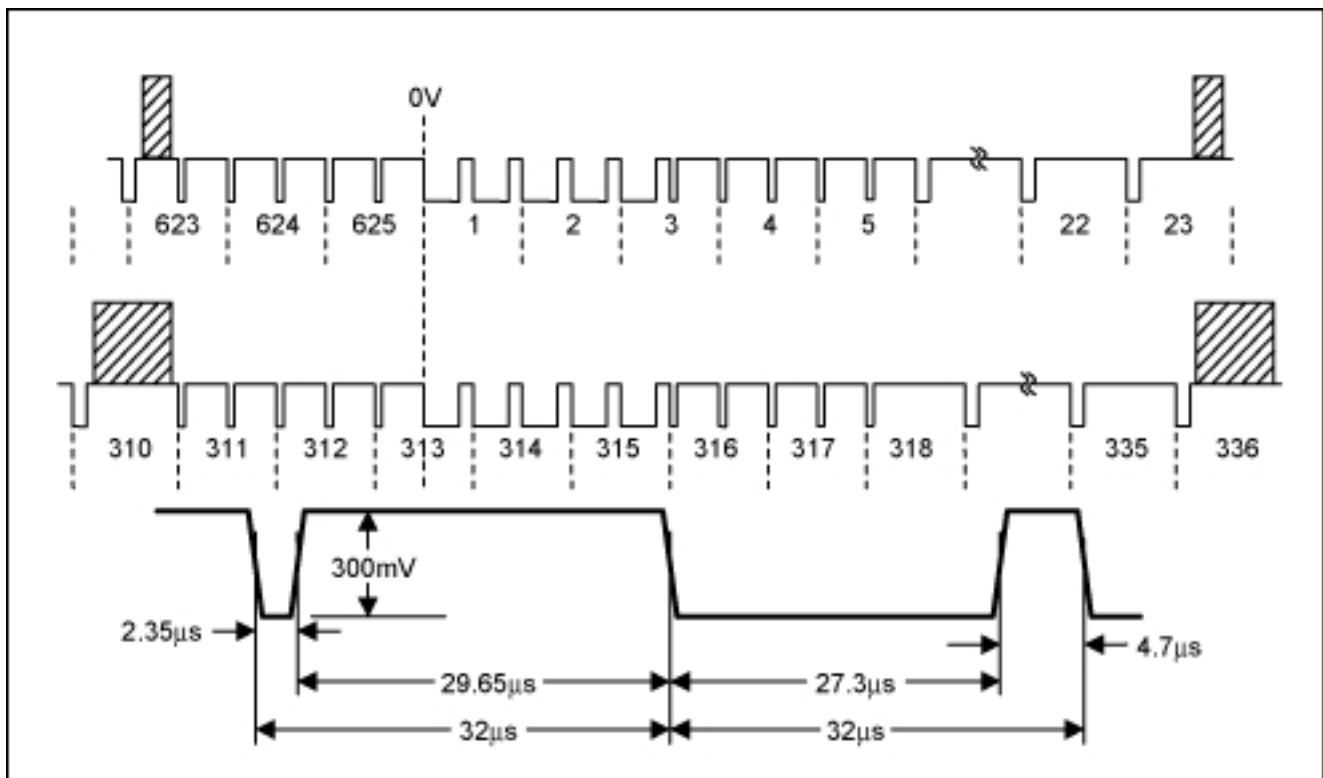
$$10 \text{ } = 2\pi R \times 10/360$$

$$30 = 2\pi R \times 10/360$$

$$R = (30 \times 7 \times 360) / (2 \times 22 \times 10) = 171.8 \text{ cm}$$

171.8 1.7

(Active Line)



3

(Visual Resolution & Bandwidth)

(format res

$$525/60 = 485 \times 0.7 =$$

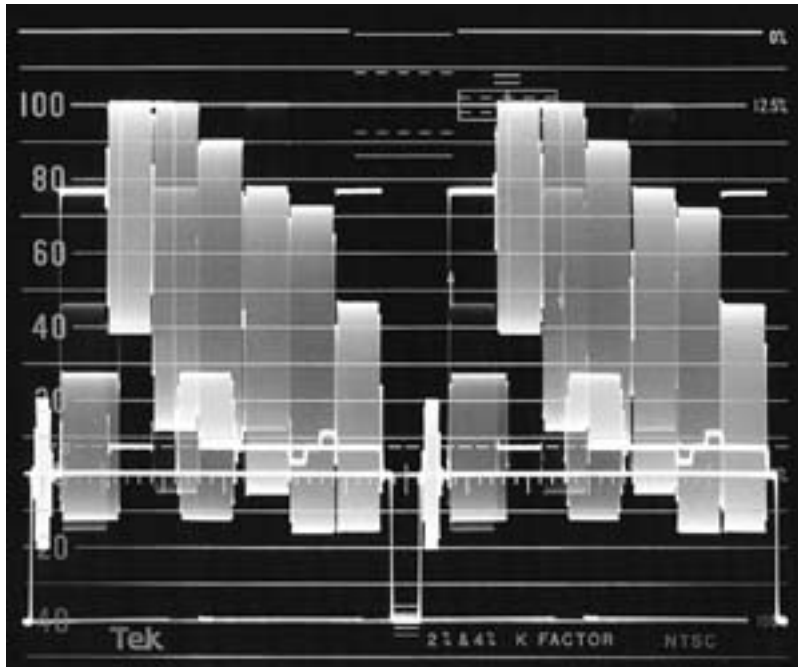
$$625/50 = 575 \times 0.7 = 4025$$

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4:3
 $525/60 = 339.5 \times 4/3 = 452.6$
 $625/50 = 402.5 \times 4/3 = 536.6$



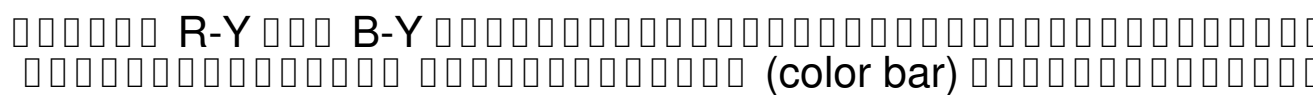
4

$52/268 = 0.1940$
 $f = 1/t = 1/0.194 = 5.15\text{MHz}$
 $\text{MHz} = 402/5.15 = 78$

5 MHz
 VHS 240
 NTSC 4.2 MHz

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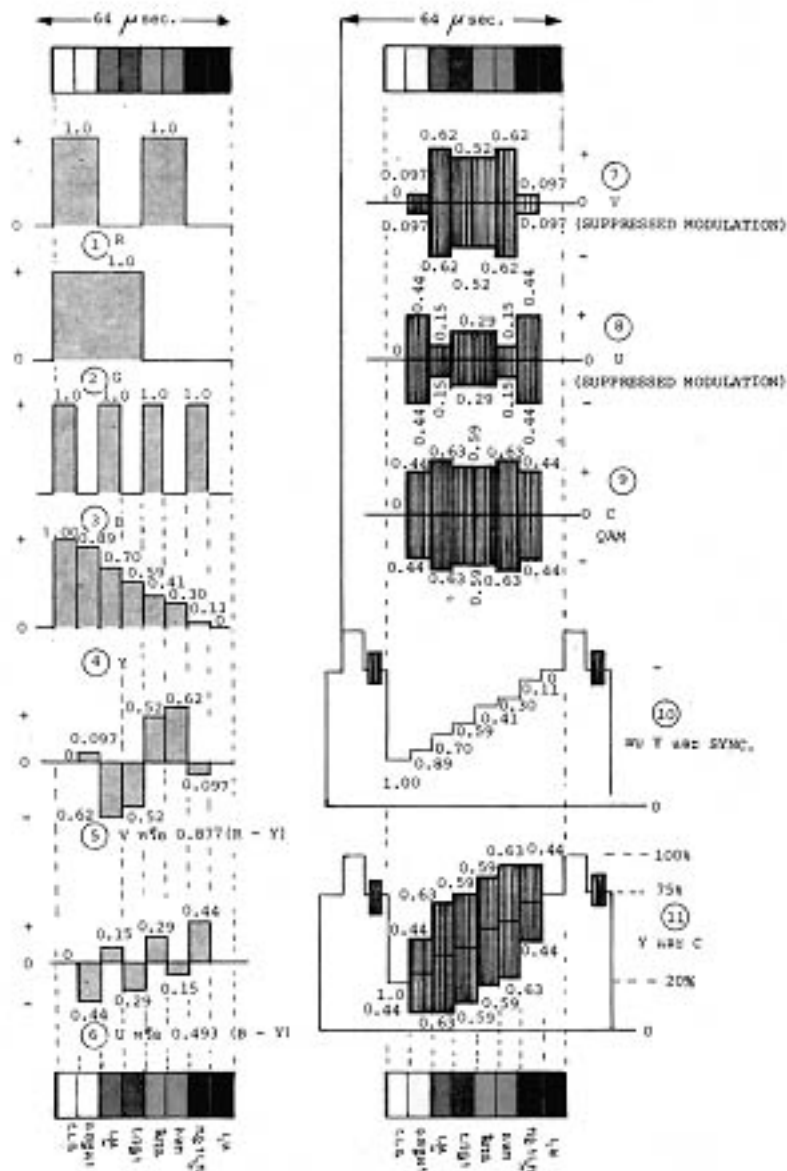
[illegible]

00000000 2 00000000000000000000000000000000 PAL

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□□□□□ 6 □□□□□□□□□□□□ □ □□□□□□□□□□□□ PAL

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$$\tan^{-1} 0.52/0.29 = 60.8^{\circ}$$

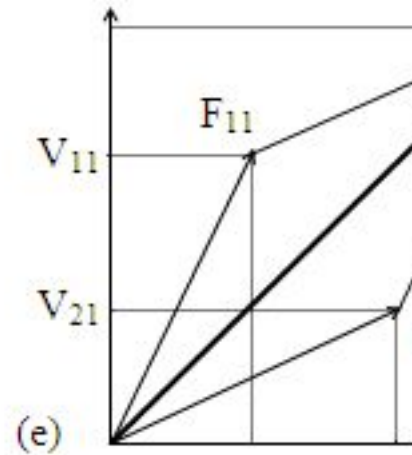
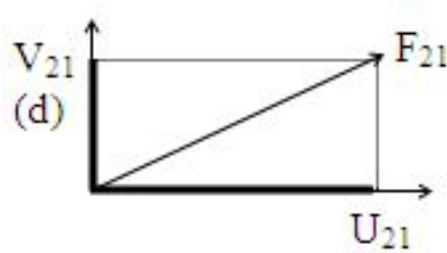
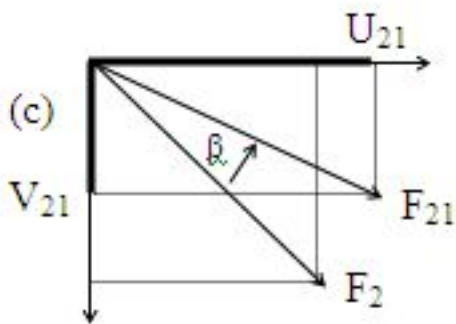
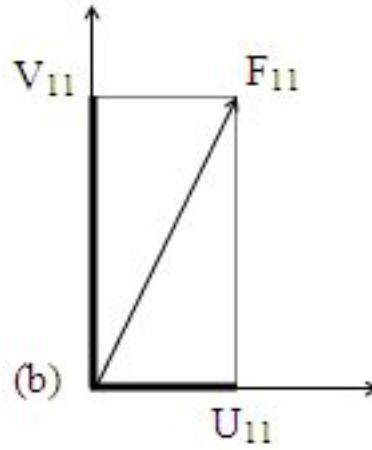
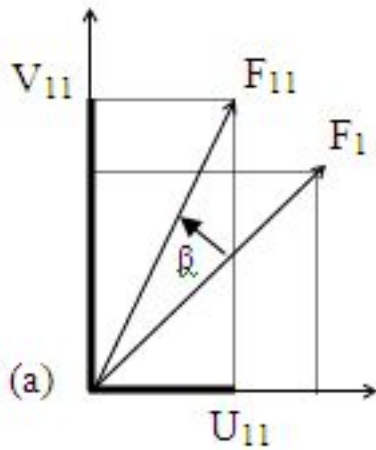
[illegible]

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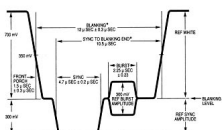
NTSC

PAL (Phase Alternate by Line)



PAL

11 (a) F1 V U
F11 (b) F21 (d)
PAL

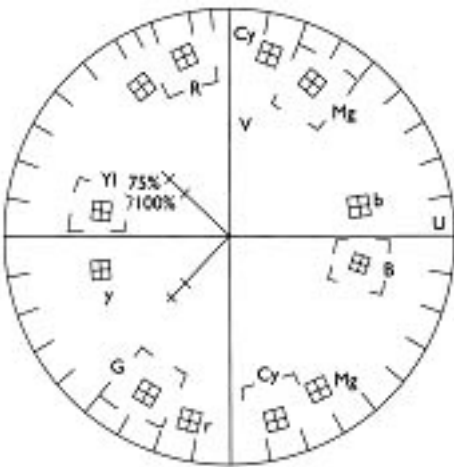


PAL

TV Signal in Deep

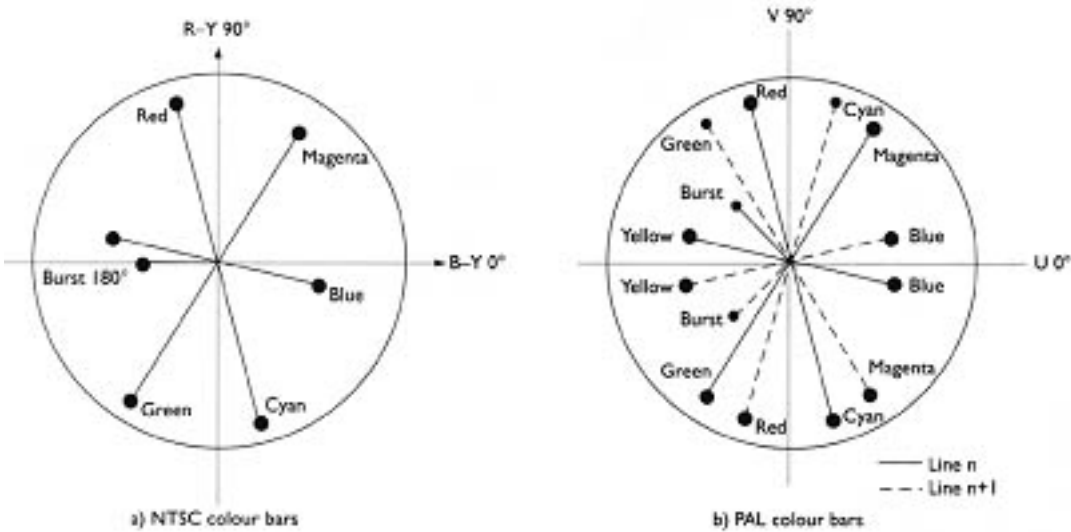
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1. The following diagram shows the positions of the colour bars in the NTSC and PAL systems. The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg). The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg).



2. The following diagram shows the positions of the color bars in the NTSC and PAL systems. The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg). The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg).

3. The following diagram shows the positions of the color bars in the NTSC and PAL systems. The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg). The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg).



4. The following diagram shows the positions of the color bars in the NTSC and PAL systems. The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg). The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg).

5. The following diagram shows the positions of the color bars in the NTSC and PAL systems. The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg). The diagram is a circle divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled as follows: Top-Left (YI 75%, 100%), Top-Right (Cy, V, Me, U), Bottom-Left (y, G, r), and Bottom-Right (b, s, Cy, Mg).

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[illegible]

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17

15-17

- [illegible]

[illegible]

[illegible]

- KG Jackson & GB Townsend, Butterworth Heinemann, "TV & Video Eng
- Peter Hodges, Focal Press, "Video Measurement"
- Peter Ward & Alan Bermingham, Focal Press, "Multiskilling for Television
- Michael Robin, Broadcast Engineering, Sep 1, 2002, "Video Resolution:1
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